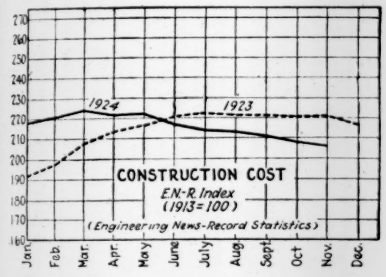
CONSTRUCTION NEWS

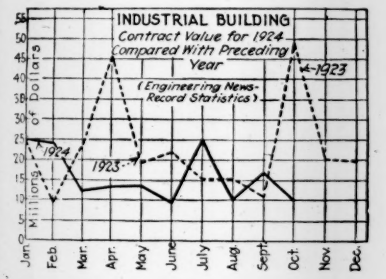
Engineering News-Record, November 13, 1924

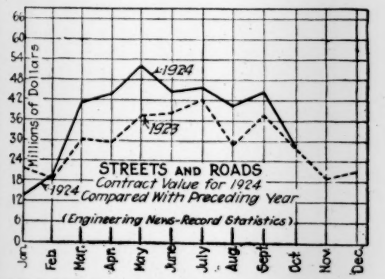
The Construction Barometer

Trend of Volume Upward—Cost Downward—Gain Mostly in Commercial Buildings, Federal Government Work and Excavations

WITH the October construction volume heaviest for that month since 1919, the consistent downward trend in cost (as shown in the chart) will probably result in favorable returns for the current month. The upward trend in volume is principally in large commercial buildings, Federal Government work and excavations. Activities have lessened, however, in industrial construction, road and bridge building. No post-election tendency to advance prices has yet developed; although steel, which next to lumber has been one of the weakest items on the basic materials list, is again in better demand. Unfilled orders on books of the U. S. Steel Corporation, Oct. 31, amounted to 3,525,270 tons, against 3,473,780 tons, Sept. 30, and 4,672,825 tons, Oct. 31, 1923. Railroads throughout the country have bought a hundred million dollars worth of equipment during the past sixty days. Fully as much was held in reserve awaiting the removal of election uncertainties.




INDUSTRIAL BUILDING
Contract Value for 1924 Compared With Preceding Year
(Engineering News-Record Statistics)
Millions of Dollars
1924
1923
Jan Feb Mar. Apr. May June July Aug. Sept. Oct Nov. Dec.


STREETS AND ROADS
Contract Value for 1924 Compared With Preceding Year
(Engineering News-Record Statistics)
Millions of Dollars
1924
1923
Jan Feb Mar. Apr. May June July Aug. Sept. Oct Nov. Dec.

Engineering News-Record Statistics

Minimum on waterworks and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Oct. 23	$18,762,000	$30,127,000	$48,889,000
Oct. 30	25,313,000	21,448,000	46,761,000
Nov. 6	12,958,000	21,012,000	33,970,000
3 weeks	$57,033,000	$72,587,000	$129,620,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

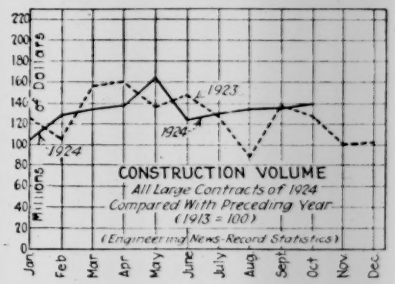
Week Ended	Commercial: Public No.	Commercial: Public Thousand	Commercial: Private No.	Commercial: Private Thousand	Industrial No.	Industrial Thousand
Oct. 23	11	$1,859	50	$23,547	35	$4,580
Oct. 30	11	4,173	24	19,245	23	1,659
Nov. 6	8	1,786	36	16,117	13	1,420
3 weeks	30	$7,818	110	$58,909	71	$7,659

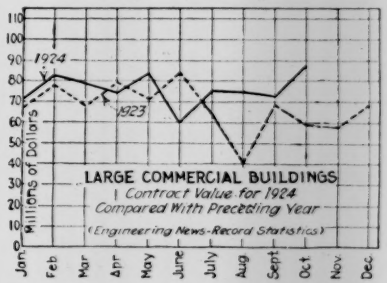
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

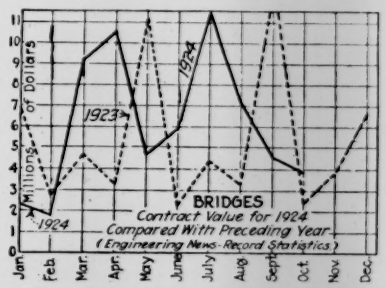
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
Oct. 23	26	37	51	28	166
Oct. 30	17	39	43	45	191
Nov. 6	25	57	36	35	166

FEW PRICE FLUCTUATIONS IN BASIC MATERIALS

	Quoted on Nov. 13 at	Last Price Change Was	On
Structurals, Pittsburgh, 100 lb.	$1.80 @2.00	$1.90 @2.00	Oct. 23
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M. ft.	55.00	56.00	Oct. 2
Fir, San Fran., M. ft.	29.00	31.00	Oct. 30
Common labor, hr.	.56	.55	Apr. 2


CONSTRUCTION VOLUME
All Large Contracts of 1924 Compared With Preceding Year
(1913 = 100)
(Engineering News-Record Statistics)
Millions of Dollars
1923
1924
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


LARGE COMMERCIAL BUILDINGS
Contract Value for 1924 Compared With Preceding Year
(Engineering News-Record Statistics)
Millions of Dollars
1924
1923
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


BRIDGES
Contract Value for 1924 Compared With Preceding Year
(Engineering News-Record Statistics)
Millions of Dollars
1924
1923
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Nov. 14	Schaghticoke, N. Y.	Nov. 6
Nov. 17	Brockport, N. Y.	Oct. 23
Nov. 17	Park Falls, Wis.	Nov. 6
Nov. 17	Ocean Grove, N. J.	Nov. 6
Nov. 17	Long Island City, N. Y.	Nov. 13
Nov. 18	Denver, Colo. Adv. Oct. 30 to Nov. 13.	Oct. 30
Nov. 18	Greenville, Tex.	Nov. 13
Nov. 18	York, Pa. Adv. Nov. 6 and 13.	Nov. 13
Nov. 18	Wausau, Wis.	Nov. 13
Nov. 18	Chicago Heights, Ill.	Nov. 13
Nov. 19	El Centro, Calif.	Oct. 30
Nov. 19	High Point, N. C. Adv. Nov. 13.	Nov. 13
Nov. 19	El Centro, Calif.	Nov. 13
Nov. 20	Denver, Colo. Adv. Oct. 30 to Nov. 13.	Oct. 30
Nov. 21	Flint, Mich. Adv. Nov. 6 and 13.	Nov. 6
Nov. 24	Coconut Grove, Fla. Adv. Oct. 30 to Nov. 13.	Oct. 30
Nov. 26	Windsor, Ont.	Nov. 6
Dec. 3	Providence, R. I. Adv. Nov. 13.	Nov. 13

SEWERS

Bids Close		See Eng. News-Record
Nov. 17	Maryland Adv. Nov. 6 and 13.	Nov. 6
Nov. 18	Sharon, Pa. Adv. Oct. 30 and Nov. 6.	Oct. 30
Nov. 19	Grand Rapids, Mich.	Oct. 23
Nov. 19	Attleboro, Mass. Adv. Nov. 13.	Nov. 13
Nov. 19	Brooklyn, N. Y.	Nov. 13
Nov. 19	New York, N. Y.	Nov. 13
Nov. 20	Larchmont, N. Y.	Oct. 30
Nov. 28	Trenton, N. J.	Nov. 13
Nov. 28	New Rochelle, N. Y. Adv. Nov. 13.	Nov. 13
Dec. 9	New Orleans, La. Adv. Oct. 16 to Nov. 13.	Oct. 16
Dec. 15	Pittsfield, Ill.	Nov. 13

WASTE DISPOSAL

Bids Close		See Eng. News-Record
Dec. 9	Minneapolis, Minn.	Nov. 13

BRIDGES

Bids Close		See Eng. News-Record
Nov. 17	New Jersey	Oct. 30
Nov. 18	Tangipahoa, La.	Oct. 30
Nov. 18	Merced, Calif.	Oct. 23
Nov. 18	Kaukauna, Wis.	Oct. 23
Nov. 18	Boston, Mass.	Oct. 30
Nov. 18	Louisiana	Nov. 13
Nov. 25	Enterprise, Kan.	Nov. 6

Bids Close		See Eng. News-Record
Dec. 15	New Orleans, La.	Oct. 30
	Adv. Oct. 30 to Nov. 13.	
Dec. 15	Louisiana	Nov. 13
	Adv. Nov. 13.	

EXCAVATION, DRAINAGE IRRIGATION, LEVEES

Nov. 15	Vankleek Hill, Ont.	Oct. 30
Nov. 18	New York	Oct. 23
	Adv. Oct 23 to Nov 13	
Dec. 1	St. Catherines, Ont.	Oct. 30
Dec. 9	Moore Haven, Fla.	Nov. 13

STREETS AND ROADS

Nov. 17	Okeechobee, Fla.	Oct. 23
Nov. 17	Wheeling, Va.	Nov. 13
Nov. 18	St. Paul, Minn.	Nov. 6
Nov. 18	Louisiana	Nov. 6
Nov. 18	Neosho, Mo.	Nov. 6
Nov. 18	Winnsboro, La.	Nov. 13
Nov. 18	Brooksville, Fla.	Nov. 13
Nov. 18	Tampa, Fla.	Nov. 13
Nov. 18	Wisconsin	Nov. 13
Nov. 19	Brooklyn, N. Y.	Nov. 13
Nov. 19	New York, N. Y.	Nov. 13
Nov. 20	Concordia, Kan.	Oct. 23
Nov. 20	North Dakota	Nov. 13
Nov. 20	Bayonne, N. J.	Nov. 13
	Adv. Nov. 13.	
Nov. 20	New York, N. Y.	Nov. 13
Nov. 21	North Dakota	Nov. 13
Nov. 22	Amarillo, Tex.	Nov. 13
Nov. 22	Albany, Tex.	Nov. 13
Nov. 24	California	Nov. 6
Nov. 24	Los Angeles, Calif.	Nov. 13
Nov. 24	Plymouth, N. C.	Nov. 13
Nov. 24	Davenport, Ill.	Nov. 13
Nov. 25	Richmond, Va.	Nov. 6
Nov. 25	Clearwater, Fla.	Nov. 13
Nov. 25	Topeka, Kan.	Nov. 13
Nov. 25	Louisiana	Nov. 13
Nov. 25	Kentucky	Nov. 13
Nov. 26	Illinois	Oct. 30
Nov. 26	Oswego, Kan.	Oct. 30
Nov. 26	Alabama	Nov. 6
Dec. 1	Delaware	Nov. 13
	Adv. Nov. 13.	
Dec. 1	New Jersey	Nov. 13
	Adv. Nov. 13.	
Dec. 3	Pearsall, Tex.	Nov. 13
Dec. 5	Phillipsburg, Kan.	Nov. 13
Dec. 9	Washington, Kan.	Nov. 13
Dec. 17	Illinois	Nov. 6

BUILDINGS—INDUSTRIAL

Nov. 14	Allentown, Pa.	Nov. 13

BUILDINGS—COMMERCIAL

Nov. 15	Muskegon, Mich.	Oct. 30
Nov. 15	Easton, Pa.	Nov. 13
Nov. 17	Sparta, Wis.	Nov. 6
Nov. 17	Norwood, Mass.	Nov. 13
Nov. 18	Detroit, Mich.	Nov. 6
Nov. 18	Denver, Colo.	Oct. 30
Nov. 18	Brooklyn, N. Y.	Oct. 30
Nov. 18	Nampa, Idaho	Nov. 13
Nov. 19	Kings Park, N. Y.	Oct. 23
	Adv. Oct. 23 to Nov. 13.	
Nov. 19	Baltimore, Md.	Nov. 6
Nov. 19	Boston, Mass.	Nov. 6
Nov. 19	Fordham, N. Y.	Nov. 13
Nov. 20	Detroit, Mich.	Nov. 13
Nov. 21	Columbus, Mo.	Nov. 6
Nov. 24	Ottawa, Ont.	Nov. 13
Nov. 24	Detroit, Mich.	Nov. 13
Nov. 25	Oklahoma City, Okla.	Nov. 6
Nov. 25	New Brighton, N. Y.	Nov. 6
Nov. 25	New Dorp (Sta. Staten Island), N. Y.	Nov. 6
Nov. 25	New York, N. Y.	Nov. 6
Nov. 25	Carbondale, Ill.	Nov. 13
Nov. 25	Cedar Falls, Ia.	Nov. 13
Nov. 25	Wash., D. C.	Nov. 13
Nov. 27	Camden, N. J.	Oct. 16
Dec. 1	McAllen, Tex.	Nov. 6
Dec. 1	Raleigh, N. C.	Nov. 6
	Adv. Nov. 6 and 13.	
Dec. 1	Raleigh, N. C.	Nov. 13
Dec. 2	Wilkes Barre, Pa.	Nov. 6
Dec. 2	St. Louis, Mo.	Nov. 13

FEDERAL GOVERNMENT WORK

Nov. 17	Remodeling — Wichita, Kan.	Nov. 6
Nov. 19	Additions—Newport, R. I.	Oct. 30
Nov. 19	Garage—Point St. George, Calif.	Nov. 6
Nov. 19	Dredging—South Boston (Boston P. O.), Mass.	Nov. 13
Nov. 21	Remodeling — Worcester, Mass.	Nov. 6
Nov. 24	Breakwater—Burlington, Vt.	Oct. 23
	Adv. Oct. 23 to Nov. 13.	
Nov. 25	Post Office—Rochester, Ind.	Nov. 6
Nov. 26	Excavation—Delaware and Maryland	Oct. 30
	Adv. Oct. 30 to Nov. 13.	
Nov. 28	Breakwater, etc.—Boston, Mass.	Nov. 6
	Adv. Nov. 6 and 13.	
Nov. 28	Repairs — New London, Conn.	Nov. 13
Nov. 28	Well—Annapolis, Md.	Nov. 13
Nov. 28	Coal Bunker—Phila., Pa.	Nov. 13
Dec. 1	Steel—Florence, Ala.	Nov. 13
Dec. 1	Post Office — Stockton, Calif.	Nov. 13
	Adv. Nov. 6 and 13.	
Dec. 2	Driveway—St. Petersburg, Fla.	Nov. 13
Dec. 3	Sewerage System Improvements—Great Lakes, Ill.	Oct. 30
Dec. 3	Post Office — Kalamazoo, Mich.	Nov. 13
Dec. 3	Elevator—Kalamazoo, Mich.	Nov. 13
	Adv. Nov. 13.	
Dec. 5	Dredging — Providence, R. I.	Nov. 6
	Adv. Nov. 6 and 13.	
Dec. 8	Changes—Omaha, Neb.	Nov. 13
	Adv. Nov. 13.	
Dec. 9	Buildings — San Fernando, Calif.	Oct. 30
	Adv. Oct. 30 to Nov. 13.	
Dec. 9	Breakwater—Milwaukee, Wis.	Nov. 6
	Adv. Nov. 6 and 13.	
Dec. 12	Dredging—Providence, R. I.	Nov. 13
	Adv. Nov. 13.	
Dec. 15	Dredging — New York, N. Y.	Nov. 13
	Adv. Nov. 13.	
Dec. 23	Store House—Pearl Harbor, H. T.	Oct. 30

UNCLASSIFIED

Nov. 14	Miscellaneous Construction — New York, N. Y.	Nov. 6
Nov. 20	Caissons—Esquimalt, B. C.	Oct. 30
Nov. 25	Tunnel—Boston, Mass.	Oct. 23
	Adv. Nov. 23 to Nov. 13.	
Dec. 4	Grain Elevator—Houston, Tex.	Nov. 13
	Adv. Nov. 13.	

MATERIAL AND EQUIPMENT

Nov. 14	Rails—New York, N. Y.	Nov. 6
Nov. 24	Cable, etc. — Melbourne, Australia	Sept. 11
Dec. 1	Transformers, etc. — Melbourne, Australia	Sept. 11
Dec. 3	Oil Burning Equipment — Fulton, N. Y.	Nov. 13
	Adv. Nov. 13.	

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Pa., Bristol—Voted $80,000 bonds extending water and sewer mains.

La., Colfax — Voted $45,000 bonds for mains and distributing system. F. J. Joseph, Glenmore, engr.

Tenn., Murfreesboro—Plans strengthening and repairing equipment, etc., for water plant. Probably purchase new force pumps, etc. $150,000 appropriated. J. L. Lowe, city mgr.

Tenn., Nashville—Voted $3,000,000 bonds waterworks improvements. H. E. House, City Hall, mayor. Noted Sept. 18.

Tenn., Watertown—Making surveys complete water plant and system. To exceed $15,000. Ambler Eng. Co., Travelers Bldg., Richmond, Va., engrs.

Mich., Detroit—Bd. Water Comrs. having plans prepared 6, 8 and 12 in. mains as follows, 2,625 ft. Lilac St., 610 ft. in Lauder St., 123 ft. in Van Eyck Ave., 1,972 ft. Sussex St., 1,961 ft. in Whitcombe Ave., 2,625 ft. in Crudder Ave., 1,952 ft. in Prest Ave., 2,630 ft. in Welland Ave., 2,635 ft. in Turner Ave., 1,961 ft. in Whitcombe Ave. 2,551 ft. Greenfield Rd. 1,980 ft. Coyle Ave., 585 ft. Lyndon St., 635 ft. Snowden Ave., 172 ft. Thomas Ave., 1,450 ft. in Monnier St., 5,280 ft. in Greenfield Rd., and 1,265 ft. Six Mile Rd. G. W. Fenkell, 232 East Jefferson Ave., genl. mgr.

Minn., St. Cloud — Making preliminary plans improving waterworks. $65,000. Druar & Millinowski, 500 Globe Bldg., St. Paul, engrs.

Kan., Cuba — Plans new waterworks. $40,000. C. A. Kaskins, 517 Finance Bldg., Kansas City, Mo., engrs. Noted Aug. 7.

Neb., College View—Voted $20,000 bonds extending mains, etc. A. H. Edgren, 3530 J St., Lincoln, engr. Noted Aug. 28.

S. D., Sioux Falls—Plans to purchase in 1925 or 1926, additional water pump. W. C. Leyse, city aud.

Mo., Appleton City—Making plans new waterworks. $175,000. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, engrs.

Mo., Appleton City—Election Dec. [illegible] 000 bonds waterworks and distribution system, incl. 2 deep wells; tank or tower, pumping equipment, also several miles 2, 4, 6 and 8 in. pipe and 30 fire hydrants, etc. Burns & McDonnell, 402 Interstate Bldg., Kansas City, engrs.

Mo., Sedalia—Missouri Pub. Serv. Comn., Jefferson City, authorized City Water Co. of Sedalia to construct dam on Spring Fork, and reservoir, install 20 in. pipe line from dam to pumping station, raise Flat Creek dam, lay reinforcement mains in its distribution system, and install new pump, boiler, etc. $534,000.

Ark., Greenwood—Plans complete waterworks and distribution system, sanitary sewers, etc. $72,000. W. L. Winters, 311 Mercantile Natl. Bank Bldg., Ft. Smith, engr.

Ark., Paris — Made preliminary plans rein.-con. dam for waterworks. $25,000. Ford & MacCrea, Gazette Bldg., Little Rock, engrs.

Tex., Jayton — Election soon $500,000 bonds waterworks, incl. tank and tower. Montgomery & Ward, Wichita Falls, engrs.

Tex., Lufkin — Election soon $375,000 bonds water supply from Neches River. C. H. Humason, city mgr. Engineer not announced.

Okla., Davidson — Making preliminary plans new waterworks, incl. well, pump and distribution system. $20,000. Engineer not selected.

Okla., Hollis—Election Nov. 18, $100,000 bonds for new water supply, incl. wells, reservoir, mains, pumps, etc., new plant to be 6 mi. from here. Gant Baker Co., 1116 West Main St., Oklahoma City, engrs. Noted Aug. 14.

Okla., Hugo—Making preliminary plans waterworks and distribution system, etc. $35,000.

Okla., Verden—Voted $27,000 bonds new waterworks, incl. well, tank, motor, hydrants, etc. J. C. Milliken, Chickasha, engr. Noted Oct. 30.

Okla., Wetumka — Voted $53,000 bonds and soon takes bids new rapid sand purification plant, mains, valves, pumps, hydrants, meters and river intake. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Oct. 9.

Okla., Wetumka—Voted $115,000 bonds purification plant, pumps, oil generator plant, mains, valves, hydrants, etc. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., Livingston—Making plans 50,000 gal. steel tank with 100 ft. elevation, complete circulating system with 2 pumping plants, one 350 g.p.m. and other for emergency use. Bonds to exceed $25,000 will probably be voted to finance. A. E. Cowell, Bank of Italy Bldg., Merced, engr.

Calif. Long Beach — Plans election approximately $1,000,000 bonds salt-water fire protection system.

Calif., Oakland—East Bay Cities voted $39,000,000 bonds to develop Mokelne River project for mountain water supply system, incl. constructing Lancha Plana and Arroyo Seco reservoirs, etc., for Bay Municipal Utility Dist. Noted Oct. 16.

Calif., Pasadena—Voted $980,000 bonds developing San Gabriel Canyon water supply.

Calif., Paso Robles — Making estimates furnishing mains for extensions. $15,000, which does not include installation. W. Hughes, city engr.

Calif., Santa Ynez — San Lucas Ranch Co. made plans 10,815 lin.ft. 18 in. concrete mains, drill well, 8 in. pump, 3.75 cu.ft. capacity, 70 ft. lift, 150 hp. motor, etc. To exceed $15,000. F. G. Walker, mgr.

BIDS DESIRED

R. I., Providence—Dec. 3, at Office Water Supply Bd., City Hall, about 1 mi. 7.5 ft. circular rein.-con. aqueduct, etc., to point east of Scituate Tunnel, etc. F. E. Winsor, 661 Westminster St., ch. engr., adv. E. N.-R. Nov. 13.

N. Y., Long Island City—Nov. 17, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Manley and Caldwell Sts., Anable, Vandeventer and 9th Aves., here.

Pa., York—Nov. 18, by York Water Co., 2 pumps and 1 boiler. Fuller & McClintock, 600 Walnut St., Kansas City, Mo., engrs.; adv. E. N.-R. Nov. 13.

N. C., High Point—Nov. 19, by J. W. Hedrick, mayor and City Council, waterworks improvements. W. C. Olsen, Raleigh, consult. engr.; adv. E. N.-R. Nov. 13.

Wis., Wausau—Nov. 18, by Water Comn., motor driven deep well pump, direct con-

Waterworks (Continued)

needed to slip ring motor, to pump 750 g.p.m. against 70 lb. pressure. B. C. Gowen, City Hall, engr.

Ill., Chicago Heights—Nov. 18, by Bd. Local Impvts., 2 systems 6 in. c.i. mains, connections, and fire hydrants. $27,000. Ashdown, Williams & Co., 1530 Halsted St., engrs.

Tex., Dallas—M. G. Hames, city secy., in market pump for Oak Cliff Well 35. $15,000.

Tex., Greenville—Nov. 18, by J. O. Willman, city clk., machinery to be used to increase power generated at municipal light and water plant, one 1,250 kw. 80 per cent (not less than 1,500 kva.) alternating current steam turbine generator unit, 3,600 r.p.m., 3 phase, 60 cycle, 2,300 volt, with direct connected exciter; one condenser to be sufficient size and capacity to produce 27- to 28-in. vacuum with 85 degree injection water and to be connected to exhaust of steam turbine through single corrugated expansion joint, same type as one now in place on 500 k.w. turbine; one atmospheric exhaust relief valve properly connected to atmosphere; necessary motor driven circulating hot well and vacuum pumps, also take care circulating water through condenser and returning same to cooling pond, motors to be sufficient size and capacity to drive pumps with ample ease and with the motors shall be furnished a panel to match present panel; one switchboard panel and instrument to match present 500 kw. generator, to include necessary conduit, wiring and connections. City to build necessary foundations and sub-foundations.

Calif., El Centro — Nov. 19, by City Trustees, 26,876 ft. 4 to 16 in. c.i. pipe incl. fittings and valves, in various streets.

BIDS RECEIVED

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Rockaway Beach, Far Rockaway Blvd., etc., here, from Riverdale Waterworks Co., 144 Bway., New York, $249,186. Noted Oct. 30.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Arlington, Claflin, Davison, Fairfield, Longwood, Netherland Aves., etc., from Norton Eng. & Contg. Co., 510 West 149th St., $10,435. Noted Nov. 6.

O., Cleveland—For 1,123 ft. 42 in. lock bar pipe encases in concrete for tunnel under Cuyahoga River at Harvard-Denison Bridge, from Graham-Henderson Co., 1274 West 108th St., $123,775. Noted Oct. 23.

O., Cleveland—City, 1 story, 50 x 52 ft. addition to West Filter Gallary at Division Ave., Filtration Plant, from deHamel Constr. Co., Plymouth Bldg. $16,800. Noted Oct. 30.

O., Cleveland—Cuyahoga Co., 16,000 ft. 6- to 8-in. mains in Impvt. 66, from F. Hadded, Davis & Farley Bldg., $64,000.

CONTRACTS AWARDED

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Rockaway Blvd., Burnside and McNeil Aves., here, to Beaver Eng. & Contg. Co., 57 Chambers St., New York, $285,984. Noted Nov. 6.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Pelham Parkway, Allerton, Arnow, Colden, Cruger, Edson, Ely, Grace, Gunther, Hone, Laconia, Lurting, Mace Morgan, Needham Olinville, Paulding, Radcliffe, Tieman, Wallace, Waring, Wilder and Yate Aves., Camp, East 213th and East 224th Sts., to Riverdale Water Works, 144 Bway., $18,300. Noted Oct. 30.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Emerson Dr., Johnston Terrace, Olive, Douglas, Edinboro and Sings Rds., Clermont, Kingsley, Portland and Rokeby Places, Adams, Corson, Forest, Hamilton, Hunter, Sommer, Van Name and Wheeler Aves., Marianne, 2nd, 4th, 5th and 6th Sts., to N. DeStefano, 257 Glenn Ave., Tompkinsville, $18,450. Noted Nov. 6.

Pa., Morrisville—Boro, electrically driven Pennsylvania centrifugal pumps, 1,000 g.p.m. to J. M. Ditinger, Phila., $10,250. Noted Oct. 23.

La., Cheneyville—Mayor and Bd. Aldermen, elevated tank on tower to Chicago Bridge & Iron Wks., 608 South Dearborn St., Chicago, Ill., electrical material, to Electrical Supply Co., New Orleans; ice plant, to A. M. Locket, New Orleans; power equipment, to Fairbanks-Morse Co., 608 Magazine St., New Orleans; laying c.i. mains and pole lines to be done by day labor. F. J. Joseph, Glenmore, engr.

O., Cleveland—Cuyahoga Co., 16,000 ft. 6- to 12-in. mains in Impvt. 850, to Joseph Co., Prospect-Fourth Bldg., $82,245. Noted Nov. 6.

Minn., Granite Falls—L. N. Marcuson, city clk., Oct. 23, filtration plant, general contract, incl. concrete substructure and buildings, pipe, valves, etc., to Standard Constr. Co., 1111 Plymouth Bldg., Minneapolis, about $17,000; motors and pumps, to Commonwealth Electric Co., 417 Bway., St. Paul. Noted Oct. 9.

Minn., Minneapolis—F. S. Gram, city purch. agt., one thousand ¾ in. water meters with connections to Natl. Meter Co., 1455 West Congress St., Chicago, Ill., at $9 each. This corrects report in Oct. 23 issue.

Calif., San Bernardino—For 6- to 24-in. steel pipe, to Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles, $91,652; gate valves, to Chapman Mfg. Co., 1007 Santa Fe Ave., Los Angeles, $4,600.

Ont., Forest—Constructing waterworks system, pumps to Turbine Equipment Co., 73 King St. W., Toronto, $6,215; compressor and well equipment, to Canadian Ingersoll Rand Co., 260 St. James St., Montreal; valves and hydrants, to Canadian Valve & Hydrant Co., Brantford; castings to Hartshore Thompson Co., Hamilton. Engrs. est. $65,000.

Sewers

PROPOSED WORK

Mass., Boston—Dept. Pub. Wks., Sewer Div., plans sewerage works in Louders Lane, Elizabeth Ave., Allston, Water and Cottage Sts., in Brighton and Hyde Park Dists. $25,000. J. A. Rourke, comr.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., rejected bids Oct. 27, sewers in Remsen St. will readvertise.

Pa., Bristol—See "Waterworks."

Pa., Carrick—See "Streets and Roads."

Pa., Crafton—See "Streets and Roads."

Pa., Harrisburg—Voted $150,000 bonds for sewers. Noted Oct. 30.

Pa., New Cumberland — Voted $25,000 bonds for sewers.

Pa., West View — See "Streets and Roads."

Md., Baltimore—Voted $10,000,000 bonds for sewers. Noted Sept. 25.

Miss., Greenwood — See "Streets and Roads."

O., Dayton—Voted $400,000 bonds constructing storm sewers. Noted Oct. 2.

O., Grandview Heights (mail Columbus) —Voted $200,000 bonds constructing sanitary sewer.

Mich., Detroit—Made plans vitr. crock and brick sewers in 5,242 ft. Lateral 4251, 1,063 ft. Lateral 4260, 492 ft. Lateral 4263, 1,136 ft. Lateral 4264, 1,424 ft. Lateral 4265, 1,271 ft. Lateral 4266, 5,370 ft. Lateral 4267, 3,670 ft. Lateral 4269. G. Jerome, city engr.

Ill., Downers Grove—Making preliminary plans complete sanitary sewerage system, disposal plant, etc., in Sanitary Sewer Dist. $300,000. E. D. Otto, Downers Grove, engr.

Kan., Highland—Making preliminary plans sanitary sewers and disposal plant, etc. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Ark., Greenwood—See "Waterworks."

Tex., New Braunfels—Terrel Bartlett Co., engrs., Calcasieu Bldg., San Antonio, soon takes bids new sewerage system, here, for city. $125,000.

Tex., San Angelo—Election soon $75,000 bonds new sewerage system. E. I. Jackson, city mgr.

Okla., Wetumka — Voted $25,000 bonds, sanitary sewer extensions in 4 mi. Bensen, Tiger, Canadian, Alabama, Bway., Frisco, St. Louis and Canard Sts. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Oct. 9.

Calif., Corona—Making plans sewer extensions and disposal plant. $80,000-$100,000. Currie Eng. Co., Alhambra, engrs. Noted Sept. 4.

Calif., Santa Cruz — Plans election approximately $150,000 bonds constructing sewerage system. H. E. Godegast, city engr.

BIDS DESIRED

Mass., Attleboro—Nov. 19, constructing sanitary sewer. G. A. Sweeney, mayor; adv. E. N.-R. Nov. 13.

N. Y., Brooklyn—Nov. 19, by E. Riegelmann, boro. pres., Boro Hall, sewers in Avenues I and H, Amersfort and Kenmore Places, Farragut Rd., Flatlands, Schenectady, Rogers and Flatbush Aves., Marginal and East 27th Sts.

N. Y., Long Island City—Nov. 17, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in Polk and 95th Aves.; and temporary sanitary sewer in Breckenridge Ave.

N. Y., New York—Nov. 19, by H. Bruckner, pres. Bronx Boro., sewers in Edison, Zulette and Plymouth Aves.; also relief sewer in Intervale Ave.

N. Y., New York — See "Streets and Roads."

N. J., Trenton—Nov. 28, by City Comn., sewage disposal plant. $1,000,000. G. L. Watson and G. A. Johnson, 150 Nassau St., New York City, engrs. Former bids rejected.

Ill., Pittsfield—Dec. 15, by City Clerk, complete sanitary sewerage system and disposal plant. $83,000. Caldwell Eng. Co., Jacksonville, engrs. Noted Jan. 3.

BIDS RECEIVED

Mich., Detroit—Constructing vitr. crock sewers in Lateral 4228, from Liberty Constr. Co., 1026 Detroit Savings Bank Bldg., $128,922; Lateral 4230 from Michigan Constr. Co., 400 Penobscot Bldg., $3,070; Laterals, 4242 and 4258, from S. Healy, 6466 Epworth Blvd., $18,127 and $5,294 respectively; Lateral 4256, from C. R. Lennane & Co., 2631 Woodward Ave. $14,381; Lateral 4247, from A. Rossi, 1337 Brady St., $12,847. Noted Nov. 6.

Wis., Milwaukee — J. H. Fowles, secy. Sewerage Comn., 508 Market St., electric lighting for filter and dryer house on Jones Island, from A. C. Electric Co., 222 4th St., $16,389; and forced and induced draft fan equipment, from Bayley Mfg. Co., 732 Greenbush St., $12,250.

Minn., St. Paul — H. W. Austin, city purch. agt., Oct. 28, Belt Line, Phalen and Hazel Park sewerage system, in Margaret-Minnehaha Sts. Branch, Contrs. A and B, from Northern States Contg. Co., 335 Endicott Bldg. $790,000 and $296,000 respectively; Contr. C, from E. T. Webster, 1463 Goodrich Ave., $20,068; Contr. D, from O'Neil & Preston, 608 Exchange Bldg., $98,000. Noted Oct. 9.

Minn., St. Paul — H. W. Austin, city purch. agt., Nov. 3, Belt Line-Phalen and Hazel Park sewerage system, Contrs. E and F, from O'Neil & Preston, 608 Exchange Bank Bldg., $362,000. Noted Nov. 13.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro. pres., Boro Hall, **(e.e. means engineers estimate)** to J. J. Guinan Contg. Co., 2314 Gravesend Ave., sewers in West 33rd St. 77% e.e. $5,573; to Tozzi Contg. Co., 136 63rd St., sewer in 78th St. 74.49% e.e. $5,534; to J. Asaro, sewers in 80th St. 70% e.e. $3,964, Avenue M, 77% e.e. $1,385, 7th Ave., 80% e.e. $1,376, Fort Hamilton Parkway, 80% e.e. $1,152, to R. Iovino, sewer in New York Ave., 79.75% e.e. $733. Noted Oct. 30.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in Metropolitan Ave., to J. Johnson, 455 Bway., West New Brighton, S. I., $18,831. Noted Oct. 30.

N. Y., Long Island City — M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in Bway., to A. Paino, Corona, $205,439; in Saull St., to Kennedy & Smith Co., Inc., 93 Amity St., Flushing, $237,149. Noted Nov. 6.

N. Y., New Rochelle—Nov. 28, by J. A. Hadert, comr. Pub. Wks., City Hall, sewage disposal plant, pumping station, etc. Fuller & McClintock,, 170 Bway., New York City, engrs.; adv. E. N.-R. Nov. 13.

N. Y., New York — See "Streets and Roads."

O., Cleveland—For 3,150 ft. 12- to 23-in. vitr. tile sewer in Biddulph Ave., to G. F. Randall, Lorain, $28,372; 2,440 ft., 12- to 24-in. vitr. tile sewer in Muskoka Ave., to Hadded & Karial Constr. Co., 415 Eagle Ave., Cleveland, $18,230. Noted Oct. 30.

Mich., Detroit—For 3,657 ft. concrete and brick sewer in Bradford Ave. Arm of Gratiot Ave. Sewer, to Dept. Pub. Wks., City Hall, $79,365; 3,455 ft. Southampton Ave. Arm of Newport Ave. Sewer, to S. Healy, 6466 Epworth Blvd., $44,702.

Ill., Bensenville—For 6 and 8 in. sanitary sewers and disposal plant, to D. S. Craig, Des Moines, $127,000. Engrs. est. $143,000.

Ill., Quincy—See "Streets and Roads."

Wis., Milwaukee — J. H. Fowles, secy. Sewerage Comn., 508 Market St., concrete foundation for 100 x 500 ft. sludge storage building, to Dahlman Constr. Co., 456 Bway., $31,330.

Sewers (Continued)

Wis., Wauwatosa—J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., Milwaukee, to H. Hohensee, Ludington Ave., sewers along Honey Creek, from here to West Allis, 10,960 lin.ft. 24 in. terra cotta pipe at $23.92 per ft., 495 vertical manholes standard $15.00, 27 vertical feet drop manholes $32.00. Total $270,452. Noted Oct. 30.

Kan., Iola—For 17,800 ft. 8- to 30-in. sewers in various streets, disposal plant, etc., to Fry Bros. Constr. Co., Iola, $116,125. Engrs. est. $115,000. Noted Oct. 23.

Kan., Kansas City—Fairfax D. D. and City, 11,022 ft. concrete block sewer, to Torson Constr. Co., 2300 Washington St., $292,697. 5,000 ft. tile sewer, to Halpin-Boyle Constr. Co., 709 Ry. Exch. Bldg., Kansas City, Mo., $28,614. Engrs. est. $325,000. Noted Oct. 23.

Mo., St. Joseph — For 960 ft. concrete sewer extension to north fork of Whitehead Sewer, to Hanson & Willadsen Co., 411 Arlington Bldg., Omaha, Neb., $21,714; grading Kentucky St. from Lake to Carnegie Sts. and in 2 alleys, to Land Constr. Co., Ballinger Bldg., $0.57, $0.68 and $0.60 per cu.yd. Engrs. est. $30,000. Noted Aug. 21.

Mo., Springfield — See "Streets and Roads."

Mo., Sullivan—For 11,000 lin.ft. 6 and 8 in. vitr. clay sewer in Sewer Dist. 2, to W. F. Plummer, Inc., Union Natl. Bldg., Springfield. Noted Nov. 6.

Okla., Oklahoma City—Concrete sewers in Blocks 26 to 78 and 95 to 100 in Industrial addition, to Koller Plumbing Co., Ponca City, $95,509.

Okla., Oklahoma City—Sanitary sewers in various streets, to Koller Plumbing Co., Oklahoma City, approximately $95,000.

Calif., Alhambra—Sewers in Dist. 11, to Cox & Teget, 615 North Olive St., $92,917.

Calif., Glendale — Out-fall sewers in Sects. 1 and 3, to C. and G. H. Thompson, Brockman Bldg., Los Angeles, $575,000 and $343,000 respectively; and Sect. 2, to C. E. Green, 418 Western Mutual Bldg., Los Angeles, $442,764. Noted Oct. 9.

Calif., Los Angeles—For sewers in 79th St. between South Park Ave. and San Pedro St., to J. Artukovich, 614 North Bunker Hill Ave., $28,780.

Ont., London—Furnishing sewer pipe, to Webster Constr. Co., London, $50,000.

Waste Disposal

PROPOSED WORK

Calif., Hermosa Beach — Voted $35,000 bonds for garbage incinerator.

BIDS DESIRED

Minn., Minneapolis—Dec. 9, by F. S. Gram, city purch. agt., garbage incinerator, 200 tons daily capacity, bidders to present own plans to cover structure, and furnishing and installing equipment, incl. boilers, cranes, hoists, air compressors, scales, etc. $200,000. N. W. Elsberg, city engr.

CONTRACTS AWARDED

Fla., Tampa—Constructing incinerator on Lake Ave., to Nye Oderless Crematory Co., Georgia Life Bldg., Macon, Ga. $37,500.

Bridges

PROPOSED WORK

Mass., Leominster—City Hy. Dept., City Hall, plans rein.-con. bridge on Mechanic St. $25,000. S. H. Pitcher Co., 44 Front St., Worcester, engrs.

Md., Baltimore—See "Streets and Roads."

O., Dayton—Voted $1,800,000 bonds for bridges. Noted Oct. 2.

Mo., St. Joseph—Missouri Pub. Serv. Comn., Jefferson City, authorized reconstruction of 6th St. viaduct. Chicago Burlington & Quincy Ry., 3rd & Sylvanie Sts. appropriates $46,071, Chicago, Rock Island & Pacific Ry., St. Joseph $34,340, Atchison, Topeka & Santa Fe Ry., 4th and Patee Sts. $12,019, St. Joseph Ry. Light, Heat & Power Co., Lake and Michigan Aves. $15,583, and city $22,678 toward cost.

Tex., Alice—See "Streets and Roads."

Tex., El Paso—See "Streets and Roads."

Oklahoma—State Hy. Dept., Oklahoma City, making preliminary plans and takes bids about Jan. 1, one 600 ft. pile trestle bridge over Beaver River, Beaver Co., $26,000; one 551 ft. pile trestle bridge at Boise City, Cimarron Co., $25,000; four span 320 ft. steel and concrete bridge near Jefferson, Grant Co., $40,000; one 590 ft. pile trestle bridge at Kirby, Harper Co., $30,000; eighteen span 275 ft. timber pile trestle bridge at Washington, McLain Co., $27,000; five 100 ft. steel truss span bridge near Ponca City, Pawnee Co., $300,000; four span 320 ft. steel and concrete bridge at Haleyville, Pittsburgh Co., $100,000; six 80 ft. steel truss bridge at Harrah, Oklahoma Co., $250,000. J. M. Page, highway engr.

California — Humboldt Co. (Eureka) making plans two rein.-con. bridges, 1 at Bridgeville and other over Grizzly Creek. To exceed $25,000. J. B. Leonard, 381 Bush St., San Francisco, engr.

Calif., Los Angeles—Plans bridge over Dominguez Creek, on Anaheim Blvd. $500,000. City of Long Beach to appropriate toward cost.

Ont., London—City Council and Canadian Pacific R.R., Windsor St. Sta., Montreal, Que., making plans bridge over railroad tracks at Wellington St. $135,000. W. A. Near, city engr. J. M. R. Fairbairn, ch. engr. railroad.

BIDS DESIRED

Louisiana—Dec. 15, by State Hy. Comn., Reymond Bldg., Baton Rouge, toll bridges, one at or near Melville, and other near Simsport, both over Atchafalaya River. W. B. Robert, state engr.; adv. E. N.-R. Nov. 13.

Louisiana—Nov. 18, by State Hy. Dept., Reymond Bldg., Baton Rouge, repairing Grand Ecore Bridge over Red River, on Natchitoches-Colfax Highway, 230 yd. concrete, 30,000 lb. steel, 2,300 ft. creosoted piling, 40,000 ft. creosoted lumber, and 1,390 sq.yd. rock asphalt surfacing. W. B. Robert, ch. engr.

Wisconsin—See "Streets and Roads."

Wis., Kaukauna—Nov. 18, by Harrington, Howard and Ash, 1012 Baltimore St., Kansas City, Mo., ½ through girder vertical lift and 4 fixed deck plate girder span bridge, on Island St. and Wisconsin Ave., here, for City. Noted Oct. 16.

Kan., Phillipsburg — See "Streets and Roads."

Kan., Washington—See "Streets and Roads."

Tex., Albany—See "Streets and Roads."

BIDS RECEIVED

Pennsylvania—See "Streets and Roads."

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, Oct. 31, **(F. A. P. means Federal Aid Project)**, 3 rein.-con. girder bridges over 20 ft. span between F. A. P. 51-A and Madison Co. line, Carroll Co., from W. H. Shous & Co., Freeport, Ill., $57,383; 6 rein.-con. deck girder bridges on Laconia-Somerville Rd., F. A. P. 19-C, Fayette Co., from Montgomery & Parker, Rockport, Ind., $88,425; 6 rein.-con. bridges over 20 ft. span on Greenville-Washington Co. line Rd., F. A. P. 44-A, Green Co., from A. Lyons, Rogersville, $15,464; 6 rein.-con. bridges over 20 ft. span on Gates-Ripley Rd., F. A. P. 39-C, Lauderdale Co., from J. L. Rice & Co., Bon Oqua, $60,479; 3 rein.-con. girder bridges on Gates Dyer Co. line Rd., F. A. P. 39-B, Lauderdale Co., from Ellis & Scamhorn, Rockport, Ind., $27,544. Noted Oct. 9.

Tex., Brady—McCulloch Co., 2 rein.-con. slab bridges on 19.37 mi. State Highway 10, from J. E. Thomas, Rogers, $29,006. Engrs. est. $28,000. Noted Oct. 23.

CONTRACTS AWARDED

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, rein.-con. bridge and approaches over Charles River, at Arsenal St., to V. J. Grande, 22 Hull St., Boston, $163,060. Noted Oct. 23.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, 5 rein.-con. bridges between Trenton-Kenton Gibson Co., to W. H. Shons & Sons, 1014 West Stephenson St., Freeport, Ill., $55,823; rein.-con. viaduct over Louisville & Nashville R.R. tracks near Clarksville, Montgomery Co., to J. L. Rice & Co., Bon Aqua, $46,165; three 99 ft. steel span bridge with concrete abutments over New River, State Aid Project 113-B, Scott Co., to Long & Jones, Wartburg, $68,404.

Ia., Audubon—Audubon Co., 3 pony truss and one I-beam spans, to Wickham Bridge & Pipe Co., 27 South 19th St., Council Bluff, $13,950, 4 pony truss spans, to Jensen Constr. Co., Kimballtown, $17,981. Engrs. est. $31,341.

Kan., El Dorado — See "Streets and Roads."

Nebraska—A. S. Dolezel, clk. Saunders Co., 3 bridges with twelve 100 ft. low riveted trusses across Platte River, on Federal Aid Project 235 A, near Yuton, Douglas Co. (Omaha) and Saunders Co. (Wahoo), to Allied Constr. Co., 1803 Douglas St., Omaha, $98,000. Noted Oct. 23.

Mo., North Kansas City—Fire & Water Bd., Kansas City, two 56 ft. span single track steel plate girder railroad bridges, on siding from Chicago, Burlington & Quincy R.R. to purification plant, here, to Wood Bros. Constr. Co., 814 New York Life Bldg., Kansas City, $35,448.

Arkansas—State Hy. Dept., Little Rock, two 100 ft. truss and one I-beam span bridge, rein.-con. abutments and piers over Little Missouri River, near New Hope, to Vincennes Bridge Co., Vincennes, $18,200. Noted Nov. 6.

Tex., Brady—McCulloch Co., bridges and culverts on 19.37 mi State Highway 10, State Aid Project 538-A, to J. E. Thomas, Rogers, $29,010.

Oklahoma—State Hy. Dept., Oklahoma City, **(S. A. P. means State Aid Project, F. A. P. means Federal Aid Project)**, bridge over North Canadian River, S. A. P. 22, Woodward Co., and bridge over north fork Arkansas River, S. A. P. 9, Alfalfa Co., to Boardman Co., West Maple St., Oklahoma City, $15,312 and $16,232 respectively; bridge over Honey Creek, F. A. P. 13, and bridge over Beatty Creek, both Delaware Co., to Altman & Rogers, McAlester, $10,835 and $6,791 respectively; approaches and trestles to bridge over Grand River, F. A. P. 16, Mayes Co., to Woodard Constr. Co., Woodard, $8,973; pier extensions and timber trestles over Deer Creek, S. A. P. 38, Caddo Co., to Nims & Frost, Hydro, $2,645; State Hy. Dept. will build approach fills to bridge over Spavinaw Creek, F. A. P. 12, Delaware Co., by day labor. J. M. Page, highway engr. Noted Oct. 9.

Calif., Santa Ana — J. W. Beck, clk. Orange Co., will build three 19 ft. timber and 70 ft. movable plate girder span bridge with 106 ft. creosoted bulkhead at each end at upper arm Newport Bay, by day labor. F. W. Slabaugh, co. purch. agt., will purchase materials. Former bids rejected. Noted Oct. 23.

Dams

PROPOSED WORK

Mo., Sedalia—See "Waterworks."

N. M., Alma—Gila Valley Irrigation Dist., Safford, Ariz., making plans 138,000 acre ft. storage dam, irrigating 40,000 acres in eastern Arizona, on San Francisco River. $1,000,000. W. R. Elliott, 35 Oak St., Phoenix, Ariz., engr.

Calif., Santa Barbara — Plans raising Gibraltar Dam 40 ft. increasing capacity from 16,000 acre ft. to 36,000 acre ft. H. Nunn, city mgr.

Railways

PROPOSED WORK

Texas—San Benito & Rio Grande Ry. Co., San Benito, making plans 30 mi. standard gauge line between Santa Maria and Monte Christo. $100,000. Private plans.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Ark., Newport—Locust Slough D. D. 12, Jackson Co., making preliminary plans drainage canals, levees, etc. $100,000. Bowman Eng. Co., Newport, engr.

Calif., Merced—Merced Irrigation Dist. plans to purchase two 38 x 60 in. and two 75 x 96 ft. high pressure slide gates, two 60 in. and two 96 in. needle type free discharge valves, two 96 in. hydraulic balanced free discharge valves, two 96 in. needle type penstock valves. R. V. Meikle, ch. engr.

Calif., Merced — Merced Irrigation Dist. making plans extending canal system into section near La Grande, and constructing booster pumping plant to convey water on lands. To exceed $25,000. R. V. Meikle, ch. engr.

BIDS DESIRED

Fla., Moore Haven — Dec. 9, by Bd. Supervs. Diston Island D. D., at office C. L. Williams, secy., constructing reclamation project, 800,000 cu.yd. earth excav. in main canals, 100,000 cu.yd. earth excav. for dykes, 200,000 cu.yd. marl excav. in main canals, 12 mi. 6 x 12 ft. lateral canals, 60 mi. old lateral canals deepened and widened, etc. Kirby & Myler, Moore Haven, ch. engrs.

CONTRACTS AWARDED

La., Chamberlain—Comrs. D. D. 1, West Baton Rouge Parish, constructing 7 mi. drainage ditches, 149,000 cu.yd. excav., to McWilliams Dredging Co., Maison Blanche Bldg., New Orleans, $20,413.

Que., Berthierville—Pub. Wks., dredging channel to public wharf, to Les Chau-

Excavation, Drainage, Irrigation, Levees (Continued)

tiers Mauseau, Sorel, $15,750. Engrs. est. $25,000.

Que., **Sorel**—Pub. Wks., Ottawa, dredging channel River Richelieu, to Farley & Grant, Ottawa, Ont. $18,705. Engrs. est. $25,000.

Streets and Roads

PROPOSED WORK

Massachusetts — City of Boston plans constructing Barrington St., in Dorchester, $25,000; Theodore Parker Rd. and Nathan St., in West Roxbury $25,000. J. F. Sullivan, secy. Bd. of Street Comrs., Boston, engr.

Massachusetts—Metropolitan Dist. Comn., Planning Div., Boston, H. I. Harriman, chn., plans improving various streets in Somerville to exceed $25,000, various streets in Cambridge to exceed $25,000; and widening River St. in Hyde Park and Mattapan Dists., Boston, $50,000. J. R. Rablin, engr.

Mass., Newton—Dept. Pub. Wks., plans widening River St. $25,000. Engineer not selected.

Mass., Quincy (Boston P. O.)—Street Comrs. plan rebuilding Elmwood Ave., Oxenbridge Rd., Sachem and Willett Sts. $25,000. P. F. O'Brien, city engr.

Mass., West Roxbury (Boston P. O.)—Dept. Pub. Wks., Boston, plans constructing Houston St., here. $25,000. J. A. Rourke, comr.

N. J., Hillside—Hillside Twp. plans improving Liberty and Hillside Aves. R. S. Earl, mayor. $54,000. Engineer not selected.

N. J., Kearney—Plans asphalt repaving Washington Ave. $35,000. W. B. Ross, town clk.

Pa., Carrick—Voted $200,000 bonds repaving Brownsville Rd., constructing portions of main trunk sewer and purchasing 3 ton truck.

Pa., Crafton—Voted $109,000 bonds repaving and repairing streets and sewers.

Pa., Harrisburg—Voted $100,000 bonds improving highways. Noted Oct. 30.

Pa., Pittsburgh—Plans repaving Climax St. from Beltzhoover to Gearing Sts. $47,000. F. W. Lyon, c/o Dept. Pub. Wks., City-County Bldg., city engr.

Pa., West View — Voted $50,000 bonds street and sewer improvements.

Md., Baltimore—Voted $7,000,000 bonds for paving and constructing bridges. Noted Sept. 25.

N. C., Mitchell—Making plans 30-40 mi. gravel roads. $300,000 or more. C. E. Sionaker, Burnsville, engr.

Miss., Greenwood — Making preliminary plans grading and surfacing various streets, 45,000 sq.yd. brick on concrete, 22,000 sq.yd. asphaltic macadam, also about 1 mi. 30 in. storm sewers, etc. W. S. Hawkins, City Hall, engr.

Miss., Sardis—Soon takes bids improving Central Road Dist. $25,000 bonds voted. Noted Oct. 23.

La., Baton Rouge—Plans to expend $300,000 for paving various streets. J. W. Billingsley, Box 703, consult. engr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, rejected bids Oct. 31, slag surfacing 14.24 mi. Helenwood-Morgan Co. lnie Rd., 16 ft., State Aid Project 113-C, Scott Co. J. G. Creveling, highway comr. Noted Oct. 9.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 12 mi. Benton-Georgia State Line Rd., State Road 34, Polk Co. J. G. Creveling, highway comr.

O., Canton — Stark Co. takes bids in spring, improving 2.5 mi. Canton-Canal Fulton Rd., 18 ft. $60,000. A. M. Wise, Canton, engr.

O., Dayton—Voted $300,000 bonds, brick, concrete or asphalt paving streets. Noted Oct. 2.

O., Circleville — Pickway Co. takes bids in spring, improving 1 mi. Mt. Sterling-Circleville Rd. $25,000. E. E. Harvey, London, engr.

O., New Philadelphia—City council takes bids in spring vitr. brick paving 0.5 mi. 5th St., 30 ft. $43,435. E. Stingel, city engr.

Mich., Detroit—Making plans paving with 3½ in. sheet asphalt on 8 in. concrete, 4,190 sq.yd. Barnham Ave. $20,950; 17,990 sq.yd. Audubon Ave. $89,960; 12,560 sq.yd. LaSalle Ave. $62,880; 13,900 sq.yd. Woodmere Ave. Sect. 1, $69,520; 2,260 sq.yd. Monica Ave., Sect. 3 $11,280; 2,260 sq.yd. Stoepel Ave., Sect. 2 $11,280; 2,260 sq.yd. Wark Ave. Sect. 2 $11,280; 2,260 sq.yd. Prairie Ave. Sect. 4, $11,260; 7,520 sq.yd. Corbett Ave. $37,600. G. Jerome, city engr.

Illinois—Dept. Pub. Hys. & Buildings, Div. Highways, Springfield, voted $100,000,000 bonds for roads, etc. F. T. Sheets, ch. engr.

Ill., Quincy—Plans grading, curbing and sheet asphalt surfacing 1,067 sq.yd. 24th St. from State to Kentucky St., 8,845 sq.yd. 24th St. from Kentucky to Vermont Sts., 7,607 sq.yd. 18th St. from Chestnut St. to Bway., 4,840 sq.yd. 18th St. from Main St. to Bway; concrete surfacing 1,440 sq.yd. 24th St. from Bway. to 45th St., and 1,440 sq.yd. 24th St. from Locust to 45th Sts., 5,336 sq.yd. 18th St. from Locust to Chestnut Sts.; sheet asphalt, asphaltic concrete or rock asphalt surfacing 8,105 sq.yd. 18th St. Paving Dist. W. P. Bushnell, city engr.

Wis., Fond du Lac—Plans asphaltic concrete resurfacing East 2nd St. and North Park Ave.; concrete paving approximately 30,000 sq.yd. Marys Ave., Boyle Pl., 13th, Floyd, South Sibley, Carpenter, West 12th, Warner, and Follett Sts. G. Stanchfield, City Hall, engr.

Ia., Remsen—Making preliminary plans grading, curbing and hard surfacing 80 blocks various streets in 1925.

Kan., Kansas City—Soon takes bids creosoted block reflooring viaduct. $36,000. R. L. McAlpine, 1721 Orvalle Ave., Kansas City, engr.

Kan., Kansas City—Wyandotte Co. making plans concrete surfacing 1.002 mi. Fort to Fort Highway, 18 ft. To exceed $25,000. O. K. Williams, co. engr.

Kan., Lyndon—Osage Co. making preliminary plans grading, etc., 4.842 mi. Federal Aid Project 266-A, concrete and brick surfacing 1.037 mi. road through Burlangame, 20 ft., Federal Aid Project 266-B. R. Hopper, co. engr. Black & Veatch, Mutual Bldg., Kansas City, Mo., consult. engrs. Noted Oct. 23.

Kan., McPherson—McPherson Co. making preliminary plans grading, etc., 31.25 mi. various roads, 26 ft. H. B. Rowland, McPherson, engr.

Kan., Nortonville—Making preliminary plans grading, curbing and hard surfacing 11 blocks various streets, 26 ft. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Kan., Waverly—Making surveys improving various streets. To exceed $25,000. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., engrs.

Neb., Holdredge — Making preliminary plans grading, curbing, brick on concrete, asphaltic concrete or concrete paving 19 blocks various streets. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., engr.

Mo., Cape Girardeau — Making preliminary plans grading, guttering and paving between 75,000 and 100,000 sq.yd. various streets, concrete, asphalt or brick. J. Haegler, City Hall, engr.

Mo., Carrollton — Making preliminary plans resurfacing about 10 blocks and 10 blocks grading, concrete paving, etc., 10 blocks Main St. 24 ft. $42,000.

Mo., Chaffee—Making preliminary plans grading, curbing and concrete paving about 18,000 sq.yd. various streets.

Mo., Crystal Springs—Making preliminary plans concrete or asphaltic concrete paving 15,000 sq.yd. various streets. J. D. Davis, Jefferson City, engr.

Mo., Kennett—Making preliminary plans grading, curbing and 6 in. concrete paving 25,000 sq.yd. various streets. Heagler & Sons, Paragould, Ark., engrs.

Ark., Forrest City—St. Francis Co. soon takes bids grading, gravel surfacing, etc., Road Impvt. Dist. 5. $53,000. F. J. Reese, Neuhardt, engr.

Ark., Van Buren—Making preliminary plans grading, hardsurfacing, etc., Paving Dist. 1, $74,000; curbing and guttering Dist. 3, $34,000. W. L. Winters, 311 Merchants Natl. Bank Bldg., Ft. Smith, engr.

Tex., Alice—Jim Wells Co. soon takes bids grading and bridging 14.42 mi. State Highway 12, Federal Aid Project 429-H, 26 ft. $72,000. L. W. S. Mantel, co. engr.

Tex., Carthage—Panola Co. plans improving 28 mi. Fairplay Rd., State Highway 64, Federal Aid Project 456, 18 ft. $400,000. Will prepare plans first for 6.4 mi. road between Carthage and Henderson Co. line, $81,473. Titus & Dillon, Carthage, engrs.

Tex., Coleman—Making plans permanent paving various streets. $70,000. Terrell Bartlett, 612 Calcasieu Bldg., San Antonio, engrs.

Tex., Edinburg—Hidalgo Co. voted $250,000 bonds improving 18 mi. highway, 18 ft. J. C. Epperson, co. judge.

Tex., El Paso—El Paso Co. soon takes bids grading and bridging 7.35 mi. State Highway 1, from here to White Spur, 26 Ft. $173,500. T. E. Wilson, co. engr.

Tex., Greenville—Hunt Co. making plans rein.-con. paving 11.14 mi. State Highway 1, 18 ft. $350,000. J. D. Metcalfe, co. engr.

Tex., Jacksboro—Jack Co., plans asphaltic macadam surfacing 17.38 mi. State Highway 39, Federal Aid Project 461-A, 18 ft. $312,000. G. R. Johnson, co. engr.

Tex., Kerrville—Takes bids about Nov. 12, permanent street paving Earl Garrett St. $30,000. Address City Eng. Dept.

Tex., San Angelo—Election soon $125,000 bonds paving and repaving various streets. E. D. Jackson, city engr.

Tex., Sonora—H. P. Stockton, Jr., engr. takes bids after Nov. 15, gravel and macadam surfacing 11.25 mi. State Highway 1, Federal Aid Project 425-C, 18 ft., for Sutton Co. $130,000. Noted Nov. 6.

Tex., Sweetwater—Nolan Co. takes bids after Nov. 18, surfacing with waterbound macadam and 1 in. inverted penetration topping 12.48 mi. State Highway 70, 18 ft. $190,000. J. A. Focht, co. engr.

Okla., Alva—Plans grading, curbing and concrete paving 6,900 sq.yd. 5th St. from Normal to High Sts. $26,500. F. E. Devlin, Bitting Bldg., Wichita, Kan., engr.

Okla., Checotah — Plans resurfacing 12 blocks Main St. and Bway., 30,000 sq.yd. vertical fibre brick. $67,000. T. P. Clouts, Metropolitan Bldg., Muskogee, engr.

Okla., Lawton—Plans grading, curbing and concrete paving 7,300 sq.yd. 11th St. $30,000. S. Joyner, Lawton, engr.

Okla., McAlester—Plans grading, curbing and concrete paving 7,000 sq.yd. North Main St. from Krebs Street to city limits. $28,000. F. Frazer, McAlester, engr.

Okla., Madill—Marshall Co., rejected bids Oct. 20, grading and gravel surfacing 7.54 mi. Madill-Kingston Rd., 18,333 cu.yd. earth and 787 cu.yd. rock excav., 53,080 sq.yd. gravel, etc. Will take new bids soon. $55,000. J. M. Page, Capitol Bldg., Oklahoma City, engr.

Okla., Oklahoma City — Plans grading and paving 7 blocks 13th, 15th and 16th Sts., 6,800 sq.yd. sheet asphalt, 4,360 ft. each curb and gutter, etc. $35,000. B. M. Hart, City Hall, engr.

Okla., Pauls Valley—Making preliminary plans grading and graveling 10,000 sq.yd. Cherry, Pecan and Grant Sts. $30,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Arizona—Defeated $3,500,000 bonds constructing Week End Trail Highway. Noted Oct. 23.

Ore., Portland—Multnomah Co. plans improving in 1925 Fairview Rd. $48,238; Fairmount Blvd. $13,658, McAdam Rd. $27,740, McAdam St. $12,992, Williamsburg Rd. $31,816, East 82nd St. $28,389, Powell Valley Rd. $27,680, Columbia Blvd. $35,000, Patton Rd. $10,000. A. Bonner, Court House, engr. Total $235,513.

Calif., Burbank — Plans curbing, sidewalks, guttering, and concrete and oil macadam paving 10 blocks San Jose and Valencia Aves., Evergreen, 1st, Valley and Rose Sts., 30 ft. To exceed $25,000. J. H. Rose, engr.

Calif., Ceres—Making plans paving Main and 4th Sts. To exceed $25,000. D. P. Boothe, city engr.

Calif., Daly City (San Francisco P. O.) —Making plans steel armored concrete curbing, grading, concrete sidewalks, 1.5 in. asphaltic concrete paving, etc., on portions of Mission and Liebig Sts. To exceed $25,000. G. A. Kneese, Court House, Redwood City, engr.

Calif., Elsinore—Plans curbing and sidewalks on various streets. To exceed $25,000.

Calif., Los Angeles—Made plans 7 in. concrete paving along west basin of Harbor front, 28 ft. $25,000 or more. A. Van Norman, City Hall, engr.

Calif., Los Angeles — Voted $5,000,000 bonds to open and widen various streets. H. A. Van Norman, city engr.

Calif., Oakland—Voted $1,147,000 bonds for sewers. H. W. Harman, city engr.

Calif., Pomona—Plans paving and curbing 5th Ave. To exceed $225,000. F. C. Froehde, city engr.

Calif., Santa Barbara — Making plans paving, curbing and sidewalks on Barranca Ave., Chico St., etc. To exceed $25,000. G. D. Morrison, city engr.

Calif., Stockton—Made plans improving portions of Lincoln St., 4,210 cu.yd. cut, 1,892 cu.yd. fill, 5,336 lin.ft. curb and gutter, 25,872 sq.ft. sidewalks, 155,296 sq.ft.

Streets and Roads (Continued)

2.5 in. asphaltic concrete on 2.5 in. cementing gravel and asphaltic concrete. To exceed $50,000. W. B. Hogan, city engr.

Calif., Sunnyvale—Making plans 3.75 in. concrete sidewalks on approximately 25 blocks various streets. $25,000 or more. H. B. Fisher, Growers Bank Bldg., San Jose, engr.

Ont., Niagara Falls—Plans paving 2nd Ave. $30,000. T. S. Scott, city engr.

Ont., Paisley — Plans concrete paving Queen St. $35,000. A. Stephenson, County Bldg., Walkerton, engr.

BIDS DESIRED

N. Y., Brooklyn—Nov. 19, by E. Riegelmann, boro. pres., Boro Hall, grading, curbing and flagging Cortelyou Rd., East 9th, East 14th, and East 34th Sts.; asphalt paving Quentin Rd., Kenmore Pl., Ave. P., Gelston and Liberty Aves., East 34th, Montgomery, 56th, 62nd and 88th Sts.

N. Y., New York—Nov. 19, by H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., grading, approaches, etc., in East 211th St.

N. Y., New York—Nov. 20, by J. Miller, pres. Manhattan Boro., Municipal Bldg., widening and sheet asphalt repaving Lexington and 5th Aves., and sewer in West 219th St.

New Jersey—Dec. 1, by State Hy. Dept., Trenton, gravel surfacing, etc., 4,170 sq.yd. Route 4, Sect. 20 A, Pennsylvania R.R. grade crossing elimination, Monmouth Co., A. L. Grover, secy.; adv. E. N.-R. Nov. 13.

N. J., Bayonne—Nov. 20, by Bd. Educ., grading and improving grounds around Junior High School. J. A. Sklenar, secy.; adv. E. N.-R. Nov. 13.

Delaware—Dec. 1, by State Hy. Dept., Dover, improving 0.25 mi. Contr. 37-C; surfact drainage at Frederica, Contr. CK-17A; adv. E. N.-R. Nov. 13.

W. Va., Wheeling—Nov. 17, by Wayne Co., constructing 8,178 ft. Fort Creek-Lincoln Co. line Rd., Grant Dist., 5,610 ft. Cove Creek Rd., Grant Dist., 4,457 ft. Jackson Branch Rd., Lincoln Dist., 2,875 ft. Flat Branch Rd., Lincoln Co., 3,000 ft. Peter Cave Rd., Stonewall Dist., and 5,923 ft. Two-Mile Rd., Stonewall Co., H. O. Wiles, co. engr.

N. C., Plymouth—Nov. 24, by Mayor and Town Council, curbing, guttering and asphaltic paving, etc., 14,000 sq.yd. various streets. $50,000. G. J. Brooks, Beaufort, engr.

Fla., Brooksville — Nov. 18, by Bond Trustees, A. Keathley, secy., improving various streets, 26,000 sq.yd. paving alternate proposals, 12,000 lin.ft. curbing and guttering, 2,500 lin.ft. 18 in. storm sewers and 5,000 cu.yd. excav. $75,000.

Fla., Clearwater — Nov. 25, by E. H. Beckett, chn. Bd. Comrs. Pinellas Co., clearing, grubbing, grading, curbing and vitr. brick paving 157,000 sq.yd. and relay 8,200 sq.yd. in Dist. 3, South of St. Petersburg. C. E. Burleson, Clearwater, engr.

Fla., Tampa—Nov. 18, by City Comn., improving West Lafayette and Madison Sts., 265 sq.yd. 2.5 in. asphalt blocks on stone, 500 lin.ft. granite curb reset, remove and relay 7,665 sq.yd. old vitr. brick paving, lay 7,275 sq.yd. new brick and reset, 4,675 lin.ft. curb. $26,000. R. D. Martin, City Hall, engr.

Louisiana—Nov. 25, by State Hy. Dept., Reymond Bldg., Baton Rouge, graveling 5.24 mi. State Project 48 A2, Oak Grove-Arkansas Highway, West Carroll Parish. W. B. Roberts, ch. engr.

La., Winnsboro — Nov. 18, by A. W. Brown, town secy., concrete curbing, rein.-con. paving, etc., 11,970 sq.yd. Alsworth, Front, Prairie and Pine Sts. C. D. Evans, 308-309 Levy Bldg., Shreveport, engr. Noted Oct. 30.

Kentucky—Nov. 25, by State Hy. Dept., Frankfort, **(S. P. means State Project, F. A. P. means Federal Aid Project)**, waterbound macadam reconstructing 6 mi. Burlington-Florence Rd., 16 ft., S. P. 5-U, Boone Co.; rock asphalt, bituminous concrete or rein.-con. surfacing 2.982 mi. Madisonville-Hopkinsville Rd., 18 ft., F. A. P. 122-A, Hopkins Co.; waterbound macadam or bituminous macadam surfacing 8.314 mi. Hopkinsville-Elkton Rd., 18 ft., F. A. P. 123, Christian Co.; bank gravel, river gravel or waterbound macadam surfacing 10 mi. Smithland-Manchester Rd., 16 ft., F. A. P. 92-A, Livingston Co., 2.524 mi. Madisonville-Hopkinsville Rd., 18 ft., F. A. P. 122-B, Hopkins Co., 3.708 mi. New Castle-La Grange Rd., 14 ft., S. P. 19-A, Henry Co.; grading, etc. 12.906 mi. Bardwell-Paducah Rd., S. P. 9½-A, Carlisle Co., 12.539 mi. Mayfield-Hickman Rd., S. P. 54-A, Fulton Co., 10.425 mi. Fulton-Hickman Rd., S. P. 54-B, Fulton Co., 11.949 mi. Hickman-Reelfoot Rd., S. P. 54-C, Fulton Co., 4.19 mi. Greensburg-Hodgenville Rd., S. P. 41-C, Green Co., 3.415 mi. Lynch-Poor Fork Rd., S. P. 56-B, Harlan Co., 7.613 mi. Whitesburg-Pikeville Rd., S. P. 6-D, Letcher Co., 9.425 mi. Hartford-Greenville Rd., S. P. 45-A, Ohio Co., 8.087 mi. Hartford-Morgantown Rd., S. P. 11-C, Ohio Co., 6.445 mi. Hazard-Whitesburg Rd., S. P. 4-D, Perry Co., 5.796 mi. Pikesville-Whitesburg Rd., S. P. 6-D, Pike Co., 7.81 mi. Hartford-Owensboro Rd., S. P. 11-B, Ohio Co., all foregoing 24 and 28 ft. J. S. Boggs, highway engr.

Michigan—Nov. 20, by State Hy. Dept. at office Comrs. Tuscola Co., Caro, grading and surfacing Federal Aid Project 90, Sect. B, 24,257 cu.yd. earth excav., 63,030 sq.yd. 6 in. concrete. G. C. Dillman, Lansing, ch. engr.

Wisconsin — Nov. 18, by State Hy. Comn., Div. Office 8, First Natl. Bank Bldg., Superior, improving 3.36 mi. Iron River-Ashland Junction Rd., Federal Aid Project 375 A, Bayfield Co., 39,475 cu.yd. excav., 4,580 lin.ft. intercepting ditch, etc.; also 39 ft. rein.-con. deck girder bridge over Pine Creek, on Sta. 152 M plus 75, 1,120 lin.ft. wood piling, and two 75 ft. girder steel span bridge over Fish Creek, on Sta. 155 M plus 10, 136,920 lbs. structural steel, 3,150 lbs. steel castings, 526 lin.ft. wood piling, 6,422 cu.yd. gravel surfacing, etc., on above road. J. T. Donaghey, acting state highway engr.

Ia., Davenport — Nov. 24, by Auditor Davenport Co., paving, etc., 7.24 mi. Davenport-Blue Grass Rd., 18 ft., 77,418 sq.yd. concrete, 14,388 cu.yd. excav. J. M. Malloy, co engr.

Kan., Phillipsburg — Dec. 5th, by Bd. Comrs. Phillips Co. improving Federal Aid Project 204, 1.404 mi. grading and culverts, also one 20 ft. slab bridge on Sect. A, and 1.528 mi. grading and culverts on Sect. C; 2.464 mi. grading and culverts, and one 30 ft. I-beam bridge on Federal Aid Project 210-B. C. E. Freeman, Phillipsburg, engr. Noted Apr. 17.

Kan., Topeka—Nov. 25, by D. A. Graham, clk. Shawnee Co., improving Federal Aid Project 141-C and D, 3.942 mi. Sect. C-1, 5,900 sq.yd. excav., 42,530 sq.yd. concrete paving, 2.555 mi. Sect. C-2, 3,850 cu.yd. excav., 28,437 sq.yd. concrete paving, 1,590 ft. curb and gutter, etc.; 3.943 mi. Sect. D, 5,900 cu.yd. excav., 43,292 sq.yd. concrete paving, 2,100 ft. curb, etc. A. C. Lagerwall, co. engr.

Kan., Washington—Dec. 9, by L. T. Asche, clk., Washington Co., improving Federal Aid Project 211, 2,992 mi. Sect. A, 27,859 cu.yd. excav., 2,485 cu.yd. borrow, 1,050 cu.yd. channel change, 2 bridges, 1.109 mi. Sect. B, 28, 38 and 46 ft. roadway, 6,400 cu.yd. excav., 5,388 ft. gutter, etc., and 7.397 mi. Sect. C, 28 ft. road, 72,756 cu.yd. excav., 10,400 cu.yd. borrow, 23,515 cu.yd. channel change and 4 bridges. E. C. L. Wagner, 609 Kemper Bldg., Kansas City, consult. engr. Noted Feb. 7.

North Dakota—Nov. 20, by State Hy. Comn., Bismarck and Benson Co. (Minnewaukan), grading, culverts, etc., 7.954 mi. Federal Aid Project 249A, northeast Fort Totten, 56,926 cu.yd. earth and 1,134 cu.yd. rock excav., 14,038 sta.yd. overhaul, 34,227 cu.yd. sta. clay overhaul, 330 sq.yd. cobble gutter, 3,408 cu.yd. clay surfacing, 1,070 lin.ft. 18 in. and 56 ft. 24 in. corrugated metal or concrete pipe culverts. $25,000. G. A. Gilbertson, co. aud.

North Dakota—Nov. 21, by State Hy. Comn. Bismarck, and Comrs. Burke Co. (Bowbells), grading, etc. 6.179 mi. Federal Aid Project 258A, north, south and west of Bowbells, 60,814 cu.yd. earth and 900 cu.yd. rock excav., 1,972 ft. 18- to 36-in. corrugated metal or concrete pipe culverts, etc. $25,000. C. J. Kopriva, co. aud.

Tex., Albany — Nov. 22, by R. Dyess, judge Shackleford Co., grading and bridging 15.55 mi. State Highway 23, State Aid Project 515, 26 ft. $152,700. J. E. Pirie, co. engr.

Tex., Amarillo—Nov. 22, by S. B. Motlow, judge Potter Co., grading and gravel surfacing 13,210 cu.yd. State Highway 23, State Aid Project 550, 18 ft. $39,400. O. A. Seward, Jr., co. engr.

Tex., Amarillo—Nov. 22, by O. A. Seward, Jr., engr. Potter Co., grading and surfacing 5.63 mi. Bushland Rd., 18 ft. $100,000.

Tex., Pearsall—Dec. 3, by J. T. Pranglin, judge Frio Co., grading, graveling, etc., 14.8 mi. road from Dilley west to Dimmit Co. line, 18 ft. $210,000. R. E. Kellmer, co. engr. Noted Oct. 9.

Calif., Eureka—City Council taking bids improving G St., 381,213 sq.ft. grading, 51,124 sq.ft. 1.5 in. Warrenite bitulithic on 3.5 in. asphaltic concrete, 261,240 sq.ft. 2 in. Warrenite bitulithic on 2.5 in. asphaltic concrete, culverts, etc. H. H. Hanna, city engr.

Calif., Los Angeles—Nov. 24, by Supervs. Los Angeles, improving 2.54 mi. Hawthorne Ave., Cash Constr. 236, 4,443 cu.yd. excav., 30,010 sq.yd. shaping roadway, 15,[illegible] ft. disintegrated granite, etc. To exceed $25,000. T. L. Jones, Hall of Records, engr.

Calif., Los Angeles—Nov. 24, by Supervs. Los Angeles Co., improving 5,181 ft. Western Ave., 20,820 cu.yd. excav., 17,270 sq.yd. shaping roadway, culverts, etc. To exceed $25,000. G. Jones, Hall of Records, engr.

Calif., Inglewood—City Trustees taking bids improving Hillside Ave. and Hill St., 184,742 sq.ft. grading, 5,790 lin.ft. curbing, 112,120 sq.ft. 4 in. Willite paving, etc. A. W. Cory, city engr.

Calif., Santa Cruz—City Council taking bids improving Clinton St., 48,141 sq.ft. grading, 48,141 sq.ft. 1 in. aspaltic macadam, 48,141 sq.ft. 4 in. waterbound macadam, etc. H. E. Godegast, city engr. Noted Oct. 23.

Calif., Santa Cruz—Supervs. Santa Cruz Co. taking bids improving roads in Soquel Rd. Dist., 4,900 cu.yd. excav., 1,792 lin. ft. 10- to 36-in. corrugated iron pipe, 4,975 cu.yd. rock surfacing in place. L. Bowman, co. surv.

Calif., Venice—T. H. Hanna, city clk., taking bids 120,000 sq.ft. 6 in. concrete paving various streets.

BIDS RECEIVED

New Hampshire—State Highway Dept., Concord, bituminous macadam paving 0.9 mi. highway in Westmoreland, from F. Williams, 26 Fiske St., Revere, Mass., $23,016. Engrs. est. $25,000. Noted Oct. 30.

New York—A. W. Brandt, comr. State Hy. Dept., Albany, **(R. C. means Repair Contract and Hy. means Highway)** constructing and reconstructing 4.27 mi. Hy. 8192 and 1340, Westchester Co., and 3.65 mi. Hy. 8196, Rockland Co., from A. D. Bridges Sons, Inc., Hazardville, Conn., $208,752 and $183,205 respectively; 1.72 mi. Hy. 8193, Westchester Co., from Smith Bros. Contg. Co., Inc., North Pelham, $114,790; 8.59 mi. R. C. 3107, Hy. 5167, Delaware Co., from J. F. Paddelford, North Main St., Sherburne, $367,004; 1.04 mi. Hy. 1700, Orleans Co., from W. C. Pickard, Lockport, $78,575; 4.06 mi. Hy. 8188, Lewis Co., from J. M. McCarthy, Potsdam, $163,146; 0.16 mi. Hy. 1697, Rockland Co., from Glenbeigh Contg. Co., New York City, $12,413; 6.67 mi. Hy. 8195, Steuben Co., from P. H. Murray, Cutler Bldg., Rochester, $273,668; 2.84 mi. R. C. 1431, Hy. 5373, Westchester Co., from P. Luciano, White Plains, $301,604; 6.8 mi. Hy. 8198 Schoharie Co., from Rosoff Eng. Co., Inc., 15 Park Row, New York, $309,801; 6.95 mi. Hy. 1702, Livingston Co., from Cleveland & Sons Co., Adams St., Brockport, $346,016; 1.12 mi. Hy. 1701 Wayne Co., from W. Curtis & Co., Geneva, $52,683; 4.1 mi. R. C. 3106, Montgomery Co., from J. P. Dugan & Co., Inc., Amsterdam, $226,814; 4.12 mi. Hy. 8194, Steuben Co., from J. F. Gill Co., Rochester, $186,723. Noted Oct. 23.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., from Highway Impvt. & Repair Co., 501 Bloomfield Ave., Montclair, N. J.; sheet asphal trepaving Hemstead Ave. $51,140, from A. A. Johnson Corp., Queens Blvd., Jackson Ave. $123,530, Jackson Ave. (Northern Blvd.) $47,900, Astoria Ave. $38,660, recurbing, reflagging and asphalt paving 14th Ave. $14,850; from Uvalde Asphalt Paving Co., 1 Bway., New York, grading, curbing, sidewalks and asphalt paving 92nd St. $9,110, Ralph St. $11,453, Woodbine St. $14,335, sheet asphalt paving 104th St. $36,724, 116th St. $7,553; from C. Kurth, 9519 126th St., Richmond Hill, grading, curbing and sidewalks on 116th St. $5,811.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., Nov. 6, granite block repaving 11th Ave., from J. Meehan & Son, 74 Cortlandt St., $176,857, 59th St., from P. J. Kearns Contg. Co., 2306 Creston Ave., $36,388; curbing, flagging and paving with 2 in. stone filled sheet asphalt Pinehurst Ave., from Interboro Asphalt Co., 2306 Creston Ave., $40,987. Noted Oct. 30.

Pennsylvania — Dept. Hys. Harrisburg, Nov. 3, rein.-con. surfacing **(R. means Route and A. Application)**, A. 3177, Tioga Co., from R. D. Richardson Constr. Co., 828 Connoll Bldg., Scranton, $48,989, R. 97, Elk and McKean Counties, from D. L. Dennis, Smethport, $503,454, R. 241, Wyoming Co., from Rudolph & Delano, 27 Pine St., Tamaqua, $287,000, R. 221, A. 2411, 3134 and 3135, Cambria Co. and R.

Streets and Roads (Continued)

275, Ferry Co., from Fort Pitt Constr. Co., 207-208 Martin Bldg., Pittsburgh, $219,915 and $382,484 respectively; 40 ft. clear span rein.-con. T-beam bridge on R. 231, Sta. 201, over White Run in Mt. Pleasant Twp., Adams Co., from W. H. Drawbaugh, Dover, $10,578. Noted Oct. 16.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, Oct. 29, (**F. A. P. means Federal Aid Project, S. A. P. means State Aid Project**), grading, etc., 9.51 mi. Madison Co. line Rd., 18 ft., F. A. P. 51-B, Carroll Co., from J. Floyd, Barnsville, Miss., $94,792; 11.41 mi. Greenville-Washington Co. line Rd., 18 ft., F. A. P. 44-A, Green Co., from Shea Bros. Constr. Co., Knoxville, $89,206; 11.51 mi. Kingston-Loudon Co. line Rd., 18 ft., F. A. P. 45-A, Roane Co., from Scruggs & Marcum, Knoxville, $107,543; 4.39 mi. Laconia-Hardeman Co. line Rd., 18 ft., F. A. P. 19-B, Fayette Co., from Finnell & Toothacher, Tuscaloosa, Ala., $29,814; 6.58 mi. Laconia-Summerville Rd., 18 ft., F. A. P. 19-C, Fayette Co., from C. J. McFarlin, Keeling, $44,880; 6.04 Gates-Dyer Co. line Rd., 18 ft., F. A. P. 39-B, and 10.04 mi. Gates-Ripley Rd., 18 ft., F. A. P. 39-C, both Lauderdale Co., from S. R. Hall, Newbern, $27,791 and $69,244 respectively. Noted Oct. 9.

O., Akron—Summit Co., grading, paving and sewer connections in 1.2 mi. Flickeringer-Sanitarium Rd. 136, Sect. A-2, from A. E. Gilford Constr. Co., Metropolitan Bldg., bituminous concrete trinidad $49,299, bituminous concrete mexican $48,124, rein.-con. $44,769. Noted Oct. 30.

Mich., Detroit—From Cooke Asphalt Paving Co., 1260 Penobscot Bldg., grading and paving with 3½ in. sheet asphalt on 8 in. concrete, 7,300 sq.yd. Arlington Ave. $33,846, 7,300 sq.yd. Fleming Ave. $33,594; from Cleveland Trinidad Paving Co., 402 Hammond Bldg., 10,390 sq.yd. Log Cabin Ave. Sect. 2 $46,174, 9,310 sq.yd. Oakman Ave. $38,231; from Detroit Asphalt Paving Co., 909 Free Press Bldg., 11,580 sq.yd. Mack Ave., Sect. 5 $51,865.

Mich., Detroit — From Detroit Asphalt Paving Co., 909 Free Press Bldg., paving with 3½ in. sheet asphalt on 8 in. concrete 1,500 sq.yd. Bethune Ave. $7,495, 1,500 sq.yd. Beniteau Ave. $7,511, 4,040 sq.yd. Eastlawn Ave., Sect. 1 $20,179, 1,890 sq.yd. Harding Ave. $9,424, 3,250 sq.yd. Indiana Ave., Sect. 2 $16,171, 1,100 sq.yd. Monica Ave., Sect. 2 $5,338, 11,890 sq.yd. Mack Ave., Sect. 4 $53,271; from Cleveland Trinidad Paving Co., 402 Hammond Bldg., 3,720 sq.yd. Wildemere Ave. $18,488.

Minn., Faribault—Comrs. Rice Co., Oct. 20, (a) grading (b) corrugated metal culverts on (1) 9.82 mi. Job 2415, State Aid Rds. 11 and 57 (2) 9.25 mi. Jobs 2418 and 2419, State Aid Rds. 59 and 9, from J. Sampson, Faribault, (a1) $31,317 (a2) $33,229; from St. Paul Roofing & Cornice Co., 624 Globe Bldg., St. Paul, (b1) $7,371; from Klauer Mfg. Co., Dubuque, Ia., (b2) $3,154. Noted Sept. 25.

Tex., Wichita Falls—Wichita Co. surfacing with gravel and macadam base with bituminous topping 15 mi. Electra-K. M. A. Rd., 18 ft., from Hill-Wilson-Watson Co., 610 North Texas Bldg., Dallas, $138,274. Engrs. est. $150,000. Noted Oct. 2.

Tex., Wichita Falls—Wichita Co., grading and gravel surfacing with asphalt topping 7 mi. Clara Wilbarger Rd., north of Electra, 16 ft., from Hill, Wilson & Watson, North Texas Bldg., Dallas, $110,867. Engrs. est. $115,000. Noted Oct. 9.

California—State Highway Comn., Sacramento, concrete paving 7.1 mi. road between point ½ mi. north of San Bernardino Co. line and Beaumont, Riverside and San Bernardino Counties, from T. W. Oglesby, Santa Ana, $179,368. Noted Oct. 23.

Calif., Los Angeles — Improving Pasa Hambra Blvd., Tract 7784, 90,430 sq.ft. 5 in. concrete paving, 222,630 sq.ft. Warrenite paving, etc., from Hall-Johnson Co., 1611 East 6th St., approximately $247,000; and Mines Ave. between Mirasol and Lorena Sts., 193,558 sq.ft. asphaltic concrete, 26,465 sq.ft. 6 in. concrete and 3,675 sq.ft. bituminous paving, etc., from Griffith Co., Railway Bldg., $89,787.

Calif., Roseville—City Trustees improving Vernon and Main Sts., from Pacific States Constr. Co., Call Bldg., San Francisco, approximately $45,000. Noted Oct. 30.

Calif., San Diego—Common Council, from G. R. Daley, 4430 Boundary St., improving Thorn St., 96,882 sq.ft. 1.5 in. asphaltic concrete on 4 in. concrete at $0.209 per sq. ft., 5,820 sq.ft. concrete sidewalks $0.23, 1,796 lin.ft. concrete curb $0.67, total $23,040, and El Cajon Ave., 245,827 sq.ft. 2 in. asphaltic concrete on 3 in. bituminous at $0.177 per sq.ft., 285,085 sq.ft. 1.5 in. asphaltic concrete surface on 4 in. concrete $0.199, 33,243 sq.ft. concrete sidewalks $0.23, etc., total $108,381.

Calif., San Jose—Supervs. Santa Clara Co., improving Coffin Rd., 13,563 ft. grading and surfacing, 326,488 sq.ft. roadway waterbound macadam, 8,800 cu.yd. water materials (furnished by county), from W. D. Ellis, 2236 Grove St., Berkeley, $26,924. Noted Oct. 30.

CONTRACTS AWARDED

Mass., Newtonville (Ind. branch of Boston)—Haynes & Henandez, Walnut St., constructing Ranlett Park as Public St. Private development, to J. MacDonald Constr. Co., 77 Summer St., Boston. Engrs. est. $25,000.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to W. J. McHale Contg. Co., 1250 Jefferson St., curbing and flagging East 26th St. $2,750; to Borough Asphalt Co., 1301 Metropolitan Ave., asphalt paving East 26th St. $8,893, East 35th St. $8,890, Brooklyn Ave. $11,259; to Cranford Co., 52 9th St., Herzl St. $13,763, 11th Ave. $13,431, 81st St. $12,828, 76th St. $8,066, to Cleveland Trinidad Co., Flushing, East 35th St., $12,468, to Brooklyn Alcatraz Asphalt Co., 408 Hamilton Ave., 43rd St. $4,199, East 5th St. $6,734. Noted Oct. 30.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt repaving 1st Ave., to Cleveland Trinidad Paving Co., Flushing, $53,427, 134th St., to Asphalt Constr. Co., 208 Bway., $27,515; granite block repaving Peck Slip, to Colgan & Colgan, 324 Jay St., Brooklyn, $44,832; sewer in Thayer St., to J. V. Timoney Constr. Co., 220 East 201st St., $18,845. Noted Oct. 30.

W. Va., Clarksburg—Harrison Co., bituminous macadam on telford surfacing 2.5 mi. Gregory Run Rd., 16 ft., Project 1, to M. J. Fahey, Clarksburg, $54,349, 7.5 mi. Shinnston-Middlebourne Turnpike, 16 ft., Project 4, to Keeley Constr. Co., Clarksburg, $214,929; grading and broken stone and oil surfacing 6,900 ft. Mudlick Run Rd., Project 7; bituminous macadam on broken stone surfacing 4 mi. Kabylick Run Rd., Project 2, and 2 mi. Big Rock Camp Rd., Project 3, all 16 ft., to Braham & Edwards, Clarksburg, $35,879, $117,028 and $50,517 respectively.

Fla., Tampa — To J. G. Yeats, Port Tampa City, widening, regrading, recurbing and vitr. brick repaving, Magnolia and Florida Aves. $25,797, Grand Central Ave. $38,665, Nebraska and Marion Sts. $29,476, and Morgan St. $27,742.

Miss., Charleston—Tallehatchie Co., grading and gravel surfacing Tippo-Swan Lake Road Dist., to S. K. Jones Constr. Co., 680 Randolph Bldg., Memphis, Tenn. Engrs. est. $36,500. Noted Aug. 28.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, (**F. A. P. means Federal Aid Project, S. A. P. means State Aid Project**), concrete surfacing 8.25 mi. Marysville-Knox Co. line Rd., 18 ft., S. A. P. 141-C, Blount Co., to Murray Constr. Co., Holston Natl. Bank Bldg., Knoxville, $207,137; grading and 2 bridges, over 20 ft. span, etc., on 3.24 mi. Bodenham-Lawrence Co. line Rd., 16 ft., S. A. P. 180, Giles Co., to J. D. Rhea, Pulaski, $49,139, 3.24 mi. Knoxville-Blount Co. line Rd., 18 ft., S. A. P. 179, Knox Co., to Shea Bros., Knoxville, $54,549. 4.19 mi. Fayettsville-Alabama State line Rd., 16 ft., F. A. P. 73-A, Lincoln Co., to W. H. and J. A. Elrod, Murfreesboro, $32,513; grading, etc., 9.89 mi. Dyer-Kenton Rd., 18 ft., S. A. P. 175-B and C, Gibson Co., to Landrum Bros. & Ewell, Dyer, $51,215. Noted Oct. 9.

Tenn., Paris — Henry Co. will asphalt surface approximately 20 mi. Paris-Kentucky State line Rd., 16 ft., by day labor, under supervision of State Hy. Dept., Nashville.

Kentucky—State Hy. Dept., Frankfort, (**S. A. P. means State Aid Project, F. A. P. means Federal Aid Project**), waterbound macadam resurfacing 6.12 mi. Maysville-Lexington Rd., 16 ft., S. A. P. 20-K, Fleming Co., and waterbound macadam surfacing 5.36 mi. Louisville-Paducah Rd., 16 ft., S. A. P. 8-C, Meade Co., to James & Cocke, Louisville, $69,374 and $88,174 respectively; waterbound macadam surfacing 5.405 mi. Greensburg-Hodgenville Rd., 16 ft., S. A. P. 41-B, Green Co., to A. J. Hoffman, North Adams, Mich., $86,778; bank gravel surfacing 7.5 mi. Paducah-Benton Rd., 18 ft., S. A. P. 67-A, McCracken Co., to N. E. Stone, Madisonville, $31,512; creek gravel surfacing 8.115 mi. Edmonton-Glasgow Rd., 16 ft., S. A. P. 1-A, Metcalf Co., to Russell & Lucas, Bowling Green, $61,363; grading, etc., 15.972 mi. Lexington-Covington Rd., 26 and 30 ft., F. A. P. 115, Scott Co., and 11.535 mi. Salyersville-West Liberty Rd., 24 and 28 ft., F. A. P. 120-B, Morgan Co., to Ellis & Smeathers, Owensboro, $220,340 and $254,146 respectively, 11.323 mi. Salyersville-West Liberty Rd., F. A. P. 120-A, Magoffin Co., and 4.813 mi. Louisa-Sandy Hook Rd., both 24 and 28 ft., S. A. P. 49-A, Lawrence Co., to Hatfield Constr. Co., 418½ 10th St., Huntington, W. Va., $238,471 and $49,438 respectively, 0.81 mi. Paintsville-Prestonsburg Rd., 24 and 28 ft., S. A. P. 6-B, Floyd Co., to N. S. Tackett, Ashland, $15,521, 4.735 mi. Elizabeth-Hodgenville Rd., 24 and 28 ft., F. A. P. 118-A, Hardin and La Rue Counties, to Costello Bros., Henson Bldg., Knoxville, Tenn., $39,025. Noted Nov. 6.

Ohio—Dept. Highways & Pub. Wks., Columbus, grading, etc. 6.722 mi. Federal Aid Project 414A, Hocking Co., to L. S. Gaty, 387 Linwood Ave., Columbus, $85,992.

O., Cleveland—Cuyahoga Co., brick paving Euclid Ave., to F. B. Stein, Euclid, $199,747. Engrs. est. $330,000. Noted Oct. 30.

O., Lakewood (Cleveland P. O.)—Asphalt paving 10 streets, to Cleveland Trinidad Paving Co., The Arcade, $60,000.

Indiana—State Hy. Dept., Indianapolis, concrete paving 60,055 sq.yd. Federal Aid Project 160, Spencer Co., to Hinsey & Hult, Portland, $95,828.

Mich., Detroit—To McKenna Truck Co., 3559 Holcomb Ave., grading and paving with one course 6 in. concrete 2,620 sq.yd. Alley 2063 $6,384, 1,290 sqyd. Alley 2064 $3,189, 3,200 sq.yd. Alley 2067 $7,225; to Otis Cement Constr. Co., 806 Hammond Bldg., 1,010 sq.yd. Alley 2065 $2,490, 1,080 sq.yd. Alley 2066 $2,604, 2,120 sq.yd. Alley 2068 $5,281, 1,470 sq.yd. Alley 2069 $3,686, 770 sq.yd. Alley 2071 $1,935, 500 sq.yd. Alley 2072 $1,371, 430 sq.yd. Alley 2073 $1,194.

Ill., Quincy—Bd. Local Impvts., City Hall, improving Chestnut St., 19,334 sq.yd. sheet asphalt on asphaltic concrete, 10,496 ft. concrete curb and gutter, 7,866 cu.yd. excav., 21 manholes, etc., to Bauer-Johnson & Co., Quincy, $64,235; Whipple Creek Sewer Project, 2,565 ft. 10 in. vitr. clay pipe, to P. Simons, 1,400 Vine St., $6,500.

Ia., Elkader—Improving various streets, 36,000 sq.yd. paving, 20,000 lin.ft. curb and gutter, to Union Constr. Co., Des Moines, Ia., $95,500. Noted Oct. 23.

Ia., Sioux City — Improving 40,250 ft. Belmont, Central, Patterson, Pierce and other streets, to Harrington & Jorgenson, 2200 South Patterson, concrete paving $0.17 per sq.ft., and grading $0.60 per sq.ft.

Minn., Faribault—Comrs. Rice Co., grading 9.82 mi. Job 2415, State Aid Rds. 11 and 57 and 9.25 mi. Jobs 2418 and 2419, State Aid Roads 59 and 9, to J. Sampson, Faribault, $31,317 and $33,229 respectively. Noted Nov. 13.

Minn., St. Paul — H. W. Austin, city purch. agt., Aug. 28, paving, etc., Cleveland Ave. between Randolph St. and Ford Rd., Ford Rd. between Cleveland Ave. and Mississippi River Blvd., 23,278 sq.yd. sheet asphalt, 5,190 sq.yd. brick, etc., to Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., $101,936. Noted Nov. 6.

Kan., Arkansas City—Grading and brick on concrete paving 6,900 sq.yd. Vine, Cedar, Walnut, Spruce and Maple Sts., to Stanton & Wallace, Leavenworth, $25,858.

Kan., El Dorado—Improving 6.609 mi. Federal Aid Project 205-A, B, C and E, earthwork, to Stamey & Mackey, Hutchinson, $43,204, culverts on A, B and C, to Lewis & Schide, El Dorado, $7,312, Bridge 1, Sect. E, to A. M. Fisher, Douglas, $2,155, Bridge 2, to J. Henry, El Dorado, $1,979, Bridge 3, to Pinnell & Medis, Topeka, $4,688, Bridge 5, to Littrell & Sprague, Wichita, $1,825. Noted Oct. 16.

Kan., Ft. Scott—Brick on macadam surfacing 5,280 sq.yd. National St. and brick on concrete surfacing 3,336 sq.yd. Clark St., to H. Tidd, Hutchinson, $11,870 and $12,736 respectively.

Kan., Kansas City—Wyandotte Co. concrete surfacing 0.08 mi. road, 24 ft., 5 ft. dirt shoulder, to Tibbits & Pleasant, 209 North Nogales St., Tulsa, Okla., approximately $40,300.

Mo., St. Joseph—See "Sewers."

Mo., Springfield — Improving Atlantic Ave. from Bway. to Kansas Sts., to R. McSweeney, 1943 Douglas St. $1.90 per sq. yd. paving and $0.45 per lin.ft. curbing; concrete paving Lombard St. from New to Lexington Sts., to E. Koch, Joplin, $2.10; sanitary sewer No. 25, to R. Langston, 730 South Fort St. Noted Oct. 16.

Ark., Fayetteville — Making preliminary plans improving South College Ave., and other streets, 11,000 sq.yd. concrete or asphaltic concrete. E. M. Ratliff, Fayetteville, engr.

Streets and Roads (Continued)

Ark., Springdale — Making preliminary plans grading, concrete, asphalt or asphaltic concrete paving, etc., 10,000 sq.yd. Annex 1 of Dist. 1. E. M. Ratliff, Fayetteville, engr.

Ark., Springfield — Making preliminary plans grading and surfacing Paving Dist. 4, 12,000 sq.yd. concrete, asphaltic concrete or asphalt on concrete. E. M. Ratliff, Fayetteville, engr.

Tex., Austin—Travis Co., gravel surfacing 9 mi. Austin-Webberville Rd., also placing rip rap masonry wall along section of road, to H. J. Evans, 500 West 15th St., $30,965. Engrs. est. $25,000. Noted Nov. 6.

Tex., Denton—Asphaltic concrete paving 12,000 yds. West Chestnut St., Ave. A, etc., to W. M. Jagoe Constr. Co., Denton, $35,000.

Tex., Dickens—Dickens Co., grading and surfacing 7.32 mi. with gravel and 5.91 mi. with caliche, Dickens-Motley Highway, Federal Aid Project 443-A, 17 ft., to McCall Eng. Co., Waco, $59,235. Noted Nov. 6.

Tex., Marshall—Harrison Co., bituminous macadam surfacing using limestone 16.19 mi. State Highway 15, State Aid Project 522, 16 ft., to Cocke & Turner, Marshall, $73,166. Engrs. est. $74,825. Noted Oct. 16.

Tex., Tyler—Smith Co., paving, etc., various streets, 65,750 sq.yd. 2½ in. vertical fibre brick, asphalt filler, 11,142 lin.ft. curbing, 17,890 lin.ft. guttering, 18,279 cu.yd. earth excav., to D. B. Tallifero, Sherman, $200,552. Noted Oct. 16.

Tex., Waco—Paving 57,000 sq.yd. various streets, to Texas Central Bitulithic Co., Waco, $176,295; 43,000 sq.yd. various streets, to Smith Bros., 2701 Coombs St., Dallas, $120,400. Noted Oct. 16.

Tex., Waco—McLennan Co., grading and gravel surfacing, etc., 1.26 mi. State Highway 2, State Aid Project 541, 18 ft., to McLennan County Precinct 1, c/o G. P. Lester, co. judge, Waco, $17,173; underpass to be built by Missouri Kansas & Texas Ry. and McLennan Co., $21,000. Noted Oct. 2.

Oklahoma — State Hy. Dept., Oklahoma City, **(F. A. P. means Federal Aid Project, S. A. P. means State Aid Project, e. e. means engineers estimate)**, grading, etc., 4.97 mi. F. A. P. 158-A, Creek Co., 19,538 cu.yd. earth and 7,987 cu.yd. rock excav., 14,090 cu.yd. borrow, 7,259 lb. reinforcing, and 515 mi. Romona-Washington Co. line Rd., F. A. P. 15-C, Washington Co., 28,965 cu.yd. earth and 1,700 cu.yd. rock excav., 12,615 cu.yd. borrow, 35,007 lb. reinforcing, to Maney Bros., Empire Bldg., Oklahoma City, $22,882 and $23,381 respectively, e. e. $26,000 and $27,500 respectively, 5.02 mi. F. A. P. 158-D, Creek Co., 33,806 cu.yd. earth and 7,187 cu.yd. rock excav., 7,073 cu.yd. borrow, 20,572 lb. reinforcing, to J. J. Harrison, 908 West 13th St., Oklahoma City, $31,689, e. e. $33,000, 6.77 mi. Newkirk-Kansas State line Rd., F. A. P. 167, Kay Co., 19,078 cu.yd. excav., 25,035 cu.yd. borrow, 133,106 lb. reinforcing, to T. C. Ottinger, Arkansas City, Kan., $25,662, e. e. $27,000, 3.64 mi. Pitcher-Kansas State line Rd., F. A. P. 105-D, Ottawa Co., 12,462 cu.yd. excav., 13,820 cu.yd. borrow, 18,000 lb. reinforcing and grading and gravel surfacing 2.5 mi. Afton-Delaware Co. line Rd., S. A. P. 25, Ottawa Co., 9,000 cu.yd. excav., 300 cu.yd. borrow, 4,140 lb. reinforcing, 4,515 cu.yd gravel, to Altman-Rogers Co., McAlester, $27,758 and $24,946 respectively, e. e. $28,000 and $25,500 respectively; grading and paving 4.69 mi. Commerce-Pitcher Rd., F. A. P. 105, Ottawa Co., 15,000 sq.yd. asphaltic concrete, 11,062 cu.yd. excav., 18,891 cu.yd. borrow, to T. Ward, 330 East 13th St., Oklahoma City, $36,556, e. e. $40,000, 0.99 mi. Dover-Senassey Rd., F. A. P. 124-B, Kingfisher Co., 10,535 sq.yd. concrete, 2,664 cu.yd. excav., 2,145 lb. reinforcing, to D. A. Burton, 544 South Victor St., Tulsa, $29,543, e. e. $30,000; paving 5.89 mi. F. A. P. 73, Tulsa Co., 62,198 sq.yd. concrete, to J. S. Terry, Potean, $135,630, e. e. $140,000; grading and gravel surfacing 1 mi. Healdton-State Rd., S. A. P. 26, Carter Co., 575 cu.yd. earth and 1,395 cu.yd. rock excav., 3,614 cu.yd. borrow, 1,105 sq.yd. gravel, to D Blackburn, Ardmore, $27,253, e. e. $27,000. Noted Oct. 23.

Oklahoma—State Hy. Dept., Oklahoma City, gravel surfacing, etc., 3.409 mi. Federal Aid Project 15-A, Mayes Co., to McCulley Constr. Co., Claremore, $12,164, and Federal Aid Project 15-A, to Gaines, Yoakum & Mackay, Oklahoma City, $20,872.

Okla., Sand Springs—Concrete surfacing, etc., 5,400 sq.yd. Paving Dist. 8, to L. McSpadden & J. J. Greer, Vinita, $25,469. Engrs. est. $27,000. Noted Oct. 2.

Okla., Wetumka—Improving 12 blocks Bway., 13,900 sq.yd. vertical fibre brick, 5,050 ft. curbing, 4,950 ft. guttering, etc., to Park & Moran, Box 622, Okmulgee $67,620. Engrs. est. $67,986. Noted Oct. 23.

Okla., Wewoka—Grading and paving 5 blocks Church St., 2,200 sq.yd. vertical fibre brick, to E. E. Park, Box 622, Okmulgee, $25,018. Engrs. est. $26,600. Noted Oct. 23.

New Mexico—State Hy. Comn., Santa Fe, Sept. 29, concrete surfacing, 10,560 cu.yd. Federal Aid Project 88-A, Sandoval Co., to L. Moor, 2 Republic Bldg., El Paso, Tex., $32,669.

Oregon—State Hy. Comn., Salem, Oct. 28, broken stone surfacing, etc., 30 mi. road, Cow Canyon Sect. of The Dallas California Highway, 16 ft., to Joplin & Eldon, Portland, $138,400. Noted Aug. 21.

Calif., Huntington Park — Curbing and sidewalks on Walnut, Live Oak, Olive, Hope Sts., etc., to J. J. Lilley & Co., Fullerton, $42,915.

Calif., Los Angeles — Asphalt paving, curbing, sidewalks, etc., on 14th St. between Caffey and Parker Sts., and asphalt paving Ethel Ave. between Oxnard St. and Sherman Way, to Griffith Co., Railway Bldg., $14,485 and $16,702 respectively. Noted Nov. 11.

Calif., Monterey Park — City Trustees, improving Alhambra Ave., to J. D. Phillips, San Fernando Bldg., Los Angeles, 126,500 sq.ft. 4 in. oil macadam paving at $0.07 per sq.ft., 25,500 sq.ft. sidewalks $0.18, 6,000 lin.ft. curb $0.50, 5,250 lin.ft. gutter $0.22, etc., total approximately $25,000. Noted Oct. 23.

Calif., Riverside—Macadam paving, concrete curbing and guttering, etc., various streets in northwest section of city, to Stahlman & Potter, Market St., approximately $66,000.

Calif., San Diego—Common Council, improving 6th and Date Sts., to Pioneer Truck Co., 954 3rd St., $37,843. Noted Oct. 30.

Calif., Stockton—Supervs. San Joaquin Co., improving 6 mi. Bixler Rd., 6,973 cu. yd. crushed rock, to W. Moreing, Vine St., at $3.38 per cu.yd.

Calif., Visalia—Curbing and laying sidewalks in Dists. 3 and 4, to G. W. Cushing, Richmond, $12,300 and $35,000 respectively. Noted Oct. 30.

Quebec—Provincial Hy. Dept., Quebec, graveling Beauharnois-St. Jean Highway, in St. Marguerite Blairfind and St. John Parishes, to Massicotte & Frigin, Plessisville, $39,077. Engrs. est. $40,000.

Buildings—Industrial

PROPOSED WORK

Mass Boston — Plant — Wood Hydraulic Hoist & Body Co., 3371 Washington St., plans new plant, 316 North Beacon St. $40,000. Engineer and architect not selected.

Mass., Worcester — Repair and Service Garage—Sarkin, Malkasion, 41 Forbes St., having plans prepared by J. Rustigian, 405 Main St., 1 story, rein.-con. and concrete blocks, Hitchcock St. $40,000.

Conn., Hartford—Factory—D. A. Gerriero, archt., 1029 Main St. preparing plans 2 story and basement, 80 x 110 ft., brick and timber, plain foundation, Windsor Ave. $40,000. Owners name withheld.

La., Marrero—Plant—Celotex Co., 111 West Washington St., Chicago, Ill., plans plant addition, here. This corrects report in Oct. 23 issue under Amesville.

O., Cleveland — Electric Sub-Station — Cleveland Railway Co., Hanna Bldg., c/o G. L. Radcliff, vice-pres., had plans prepared by Watson Co., 4614 Prospect Ave., 1 story, 50 x 62 ft., brick, steel and concrete. Central Ave. $65,000.

O., Cleveland—Factory—Cleveland Twist Drill Co., East 49th St. and Lakeside Ave., had plans prepared by G. S. Rider & Co., Century Bldg., 1, 2 and 4 story and basement, 38 x 71 ft., 38 x 64 ft., 18 x 24 ft., and 18 x 38 ft., brick and steel, East 49th St. and Lakeside Ave. $40,000.

O., Dayton — Factory — Natl. Cash Register Co., Main and K Sts., plans 6 story and basement, about 500 x 600 ft., rein.-con., brick and steel, K St. $1,000,000. Private plans.

Wis., Cambria—Cannery—Cambria Canning Co., H. Schimmel, pres., plans rebuilding 2 and 3 story, brick and timber, plain foundation, recently destroyed by fire. $100,000. Engineer and architect not selected.

Wis., Norwalk — Creamery — Norwalk Creamery Co., c/o F. Luetha, secy., plans rebuliding 2 story and basement, brick and tile, plain foundation, recently destroyed by fire. $40,000. Engineer and architect not selected.

Wis., Two Rivers—Plant—Kat[illegible] Bros. Co., plans 2 story brick addi[illegible] To exceed $40,000. Engineer and archi[illegible] not selected.

Wis., Waupun — Factory — Teeple Shoe Co., c/o H. M. Larsen, mgr., plans factory and basement, 40 x 80 ft., brick and timber addition, plain foundation. [illegible],000. Engineer and architect not selected.

Neb., Bridgeport — Power Plant — City having preliminary plans prepared for electric light and power plant, distributing system, etc. Hendingson Eng. Co., Natl. Bldg., Omaha, engrs.

S. D., Redfield—Plant—City retained A. L. Mullergren, consult. engr. Gates Bldg., Kansas City, Mo., to make plans and surveys for light and power plant. W. Isenhuth, mayor.

Mo., St. Louis—Plant—Kaysing Structural Iron Co., 2710 North 25th St., making plans 2 story, brick and concrete, 17th and Clinton Sts. $50,000. Private plans.

Tex., Gonzales—Light and Water Plant—Central Power & Light Co., Frost Bldg., San Antonio, purchased Gonzales Water Power Co. and Gonzales Electric Light Co., and plans to enlarge both plants and install machinery. Private plans.

Tex., Houston—Factory—W. Cameron & Co., Waco, having plans prepared soon takes bids rein.-con. and brick factory, Texas Ave., here. Private plans.

Okla., Wetumka—Plant—Voted $61,000 bonds for 400 hp. Diesel engine light plant, switch boards, transmission lines, rebuilding electric distribution system and installing "White Way" lighting system. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

N. M., Roswell—Mill—F. Kell & R. S. Allen, Wichita Falls, Tex., C. G. Littleton, mgr., Roswell, soon takes bids cotton seed oil mill, here. $100,000. Engineer and architect not announced.

Ariz., Tombstone — Plant — J. L. Vermeersch, mechanical engr., 27 South Center St., Phoenix, preparing plans for electric, ice and power plant, here for city.

Calif., Berkeley—Plant—Marshall Steel Co., 2124 Center St., having plans prepared 1 story, 130 x 315 ft., rein.-con. and timber, Grove and Dwight Sts. $125,000. R. V. Woods, 505 17th St., Oakland, engr.

Calif., Fresno—Factory—Fresno Macaroni Mfg. Co., 1133 E St., having plans prepared 2 or more story, 50 x 100 ft., brick annex, E St. $45,000. Private plans.

Calif., Los Angeles—Factory—Koehl & Sons, Inc., 652 South Anderson St., had plans prepared by R. D. King, 519 Van Nuys Bldg., 2 story, about 40 x 100 ft. annex, South Anderson St.

Calif., Los Angeles — Factory — McEvoy Well Cleaner Co. & Standard Slotted Pipe Co., Higgins Bldg., made plans 1 story, 60 x 160 ft., timber and steel, West Slauson Ave. Private plans.

Calif., Los Angeles—Factory—Natl. Biscuit Co., 1225 East 6th St., had plans prepared by Eckles & Eckles, St. Joseph, Mo., 7 story and basement, 190 x 250 ft., brick and steel, Mill and Industrial Sts.

Calif., Los Angeles—Plant—Western Machinery Co., 900 North Main St. plans manufacturing plant. To exceed $250,000.

Calif., Los Angeles—Plant—Globe Ice Cream Co., 230 West Jefferson St., making plans 2 story and basement, rein.-con., Hill St. $150,000. Private plans.

Calif., Oakland — Plant, etc. — General Petroleum Co., 310 Sansome St., San Francisc, having plans prepared warehouse, offices, etc., at Parr Terminal, here. $500,000-$750,000. Private plans.

Calif., Oakland—Shops—National Electric Sign Co., 510 18th St., Oakland, having plans prepared by Austin Co., Santa Fe Bldg., San Francisco, 1 story, 100 x 100 ft., brick and steel, 30th and Myrtle Sts.

Que., LaTuque—Mill—Brown Corp. Ltd., plans pulp mill. $500,000. Private plans.

Ont., Essex—Repair Shop and Garage—Queen & Wigle, Talbot St., plans 45 x 150 ft. addition to garage and repair shops. $40,000.

B. C., Vancouver — Plant — Vancouver Harbor Comrs., 525 Seymour St., having plans prepared cold storage plant. $500,000. W. G. Swan, 525 Seymour St., engr.

BIDS DESIRED

R. I., Providence — Manufacturing — A. Emerson & Co., Charles St., taking bids altering and constructing 3 story, 50 x 100 ft. brick addition. $40,000. Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, Mass., archts.

Pa., Allentown—Mill—Nov. 14, by Jacobs & Everett, archts., Commonwealth Bldg.,

Buildings—Industrial (Continued)

2 story and basement, 66 x 213 ft., brick and steel addition, plain foundation, Allen and Pioneer Sts., for Majestic Silk Mills, c/o architects. Noted Nov. 6.

Pa., Meadville—Plant—Alleghany College taking bids 1 story, 27 x 48 ft. steam heating plant. $85,000. Magaziner Eberhard & Harris, 605 Chestnut St., Phila., engrs.

Va., Norfolk—Plant—International Portland Cement Corp., 342 Madison Ave., New York City, will build rein.-con. and brick plant, here. $1,500,000. Work will be done by separate contracts. Private plans. Noted May 8.

Wis., Plymouth—Plant—Plymouth Refrigeration Co., c/o E. J. Larson, mgr., and E. A. Juul, archt., Security Bldg., Sheboygan, taking bids 10 story, 54 x 60 ft., rein.-con., brick and steel, plain foundation. $50,000. Noted Sept. 11.

Tex., Haskell—Plant—West Texas Utilities Co., c/o G. Fry, mgr., taking bids ice plant, reni.-con., brick and steel, plain foundation. $45,000. Nichols & Campbell, Radford Bldg., Abilene, archts.

Idaho, Nampa—Repair Shop—Nov. 18, by Eng. Dept. of Southern Pacific R.R. Co., 65 Market St., San Francisco, Calif., seventeen 1 story, brick, steel, concrete and hollow tile car repair shop buildings, here. To exceed $150,000. G. W. Boschke, ch. engr.

S. A., Peru—Plant—Cerro De Pasco Copper Corp., 15 Broad St., New York City, taking bids 500 tons structural steel for plant, here. $300,000 incl. equipment. Company to do own erecting. Private plans. Noted Oct. 23.

BIDS RECEIVED

Calif., San Francisco — Plant — Schmidt Lithograph Co., Bryant and 2nd Sts., 4 story and basement, 140 x 240 ft., rein.-con. and steel addition, from R. McLeran Co., Hearst Bldg., approximately $400,000. Noted Nov. 6.

CONTRACTS AWARDED

Mass., Cambridge (Boston P. O.)—Storage—H. F. Stimpson, 128 Sydney St., 2 story and basement, 60 x 220 ft., brick, Albany St., to J. J. Prindiville Co., Prindiville Bldg., Framingham. Archts. est. $150,000. Noted Oct. 30.

Conn., East Berlin—Factory—W. W. Mildrum Jewel Co., 2 story and basement, 36 x 70 ft., brick and timber, plain foundation, to Gianotta Constr. Co., Kensington. Archts. est. $40,000. Noted Nov. 6.

N. Y., Brooklyn — Plant — Saltser & Weinsier, 175 Cook St., 4 story, 90 x 175 ft., rein.-con. and brick, plain foundation, Cook St., to Walzer Bros. Corp., 44 Court St. Archts. est. $100,000.

Pa., Allentown — Factory — Orcurto & Lova, 5 story and basement, 66 x 141 ft., rein.-con. and brick, plain foundation, to Ritter & Smith, 1227 Gordon St. Archts. est. $200,000. Noted Sept. 25.

Md., Baltimore—Factory—Vindex Mfg. Co., McHenry and Pulaski Sts., 6 story and basement, 70 x 150 ft., rein.-con. and brick, plain foundation, to Consolidated Eng. Co., Calvert Bldg., $125,000. Noted Oct. 30.

Tenn., Chattanooga — Factory — Amer. Cement Paint Co., W. P. D. Moros, pres., Rossville, (1st unit) 1 story, 50 x 170 ft., concrete block factory, here, to Dixie Concrete Products Co., Chattanooga. Archts. est. $60,000.

O., Cleveland—Factory—Angell Nail & Chaplet Co., c/o G. H. Angell, pres., 2657 East 79th St., 1 story, 90 x 280 ft., brick and steel, East 71st St., to P. Kirschner Co., 2914 East 75th St. Archts. est. $100,000.

O., Cleveland — Factory — Durand Steel Locker Co., c/o A. S. Holden, Plymouth Bldg., 1 story, 61 x 101 ft., brick and steel, East 76th St., to Mitzel-Shields Co., Rose Bldg. Archts. est. $40,000.

O., Cleveland—Factory—Novelty Lamp Shade Co., 2490 East 22nd St., 4 story and basement, 60 x 80 ft., brick and steel addition, 2400 East 22nd St., to Super-Build Constr. Co., 1836 Euclid Ave. Archts. est. $100,000. Noted Oct. 16.

O., Cleveland—Mill and Factory—Amer. Gypsum Co., Discount Bldg., 1 story, 57 x 132 ft., brick and steel, 1270 West 3rd St., to Austin Co., 16112 Euclid Ave. Archts. est. $60,000.

Ind., Evansville—Warehouse—Crane Co., 836 South Michigan Ave., Chicago, Ill., 1 story and basement, 115 x 125 ft., brick, steel and concrete, 8th and Walnut Sts., to M. J. Hoffman Constr. Co., 403 Furn Bldg. Archts. est. $70,000.

Wis., Dorchester—Cannery—Dorchester Canning Co., c/o F. Nagel, Dorchester, will build 2 story, 42 x 112 ft. cannery, 2 story warehouse and 40 x 42 ft. boilerhouse, brick and timber, plain foundation, by day labor. $75,000. Private plans. Noted Oct. 23.

Wis., Milwaukee — Factory — Standard Sanitary Mfg. Co., 311 5th St., 1 story, 62 x 177 ft., brick and steel, plain foundation, St. Paul Ave., to W. W. Oeflein, 86 Michigan Ave. Engrs. est. $50,000. Noted June 26.

Wis., Milwaukee — Foundry — Maynard Electric Steel Castings Co., Kilbourn Rd., will build 1 story, 122 x 222 ft., brick, plain foundation, by day labor. Private plans.

Mo., Kansas City—Mill—F. E. Ranson Coal & Grain Co., 3029 West 18th St., general contract 1 story and basement, rein.-con. and brick addition, to Bloomington Constr. Co., Bloomington, Ill. Archts. est. $40,000.

Mo., Kansas City—Mill, etc.—Stewart Sand Co., 1615 Amer. Bank Bldg., general contract mill building, warehouse, 2 sand storage tanks, steel and rein.-con., fireproof, to Swanson Bros. Co., Shubert Theatre Bldg., approximately $75,000.

Mo., Kansas City—Plant—Montgomery Ward & Co., St. John and Belmont Sts., general contract 8 story and basement, 108 x 206 ft. addition, to Weels Bros., Monadnock Bldg., Chicago. Archts. est. $1,000,000.

Wis., Oshkosh—Factory—Bell Machine Co., 35 Jackson St., E. Bell, pres., 1 story, 36 x 100 ft., brick and timber addition, plain foundation, Jackson St., to Fluor Constr. Co., Oshkosh. Archts. est. $40,000.

Wis., Racine—Plant—Horlicks Malted Milk Co., Northwestern Ave., brick and timber addition, to Bondgard & Christensen, 1135 Mound Ave. Engrs. est. $40,000.

Tex., Brownsville—Electric Plant—A. E. Munday, city secy., 15,000 kw. unit addition to plant, to Westinghouse Electric Co., Texas Union Natl. Bank Bldg., Houston, $54,000.

Okla., Tulsa—Plant, etc.—C. Page, Sand Springs, general contract 6 story and basement, 57 x 140 ft., rein.-con., brick and stone plant, office and store, Boston and Archer Sts., to J. R. Forner, 218 Commercial Bldg. Archts. est. $250,000.

Nev., Fallon—Plant—City, emergency electric power plans, to Fairbanks-Morse Co., Spear and Harrison Sts., San Francisco, Calif., $48,500. Noted Oct. 30.

Calif., Fresno—Factory—Murray Cabinet & Show Case Co., Fresno, 1 story, brick factory, E. St., to Jolly & Jolly, Fresno, $40,000.

Calif., Los Angeles—Factory—Western Wax Paper Co., 943 East 4th St., 120 x 150 ft., brick, East 61st St., to Austin Co. of California, 777 East Washington St., approximately $40,000.

Calif., Modesto—Factory—D. V. O. Products Co., c/o Chamber of Commerce, Modesto, will build (1st unit), 80 x 100 ft. and (2nd unit) 92 x 140 ft., concrete, by day labor, under supervision of C. E. Gilman, engr. in charge construction. $200,000.

Calif., San Francisco — Factory — California Shade Cloth Co., 1710 San Bruno Ave., two 1 story, steel, San Bruno Ave., to Truscon Steel Co., 709 Mission St., approximately $42,000.

Buildings—Commercial

PROPOSED WORK

Me., South Portland (branch of Portland)—Garage—Knightville Garage, B St., having plans prepared by O. I. Emerson, 141 Sawyer St., 3 story, 100 x 100 ft., rein.-con. and steel, B St. $200,000.

Mass., Boston—Hospital—Massachusetts General Hospital, Fruit St., plans branch hospital. $1,000,000. Engineer and architect not selected.

Mass., Boston—Mercantile—Estate of M. Kimball, c/o C. K. Cummings, 8 Beacon St., archt., having plans prepared remodeling 6 story and basement, brick, Franklin and Batterymarch Sts.

Mass., Brighton (Boston P. O.)—Bank—Brighton Five Cent Savings Bank, W. A. Lambert, treas., 326 Washington St., plans bank, Washington St. $150,000. Engineer and architects' names withheld.

Mass., Cambridge (Boston P. O.) — Garage—J. J. Shine, 1374 Massachusetts Ave., plans 1 story, garage and repair shop, 410-438 Green St., $150,000. Engineer and architect not selected.

Mass., Fall River—Bank—Troy Co-Operative Bank, plans bank building. To exceed $150,000.

Mass., Lowell—Court House—Commonwealth of Massachusetts, Middlesex Co. Comn., Cambridge, take bids after Nov. 15, 2 story and basement, rein.-con. and brick, Hurt St., here. $200,000. C. R. Greco, 11 Beacon St., Boston, archt. G. H. Huey, 6 Beacon St., Boston, engr. Noted Oct. 16.

Mass., New Bedford — School Comn., 220 Municipal Bldg., had plans prepared by Brown & Poole, 688 Pleasant St., 3 story and basement, 160 x 225 ft., brick and limestone, Morgan St. $1,000,000.

Mass., Newton (Ind. Branch of Boston) —Home—Baptist Home, Cambridge, c/o W. Ray, pres., Old Colony Trust Co., 17 Court St., Boston, is raising $150,000 or more for home, here. Engineer and architect not selected.

Mass., Onset—Amusement—J. L. Tuttle, Wareham, plans amusement building over waters of Onset Bay between Town and Association Wharfs. To exceed $150,000. Engineer and architect not selected.

Mass., Roxbury (Boston P. O.)—Theatre, Store and Office—J. A. Tuck, archt., 636 Warren St., Boston, making sketches 1 and 2 story and basement, 85 x 160 ft., and 50 x 100 ft., Savin St. and Blue Hill Ave. $170,000. Owner's name withheld.

Mass., Springfield—Office and Garage—Owner, c/o H. M. Clark, Bway., plans 10 story, Worthington St. $500,000.

Mass., Wollaston — Church — St. Anns Roman Catholic Church, J. J. Fitzgerald, Willow St., pastor, rejected bids 1 story and basement, 60 x 170 ft., rein.-con. and granite, Woodbine St. $150,000. Former bids rejected. Noted Oct. 30.

Mass., Worcester—Store and Office—P. H. Duprey, 390 Main St., having plans prepared by J. Rustigian, 405 Main St., 6 story and basement, 40 x 85 ft., brick, steel and limestone, Norwich St. $175,000.

Mass., Worcester—Telephone—Fire Dept. having plans prepared by L. W. Briggs, 316 Main St., 2 story fire alarm telephone building, Newton Hill, $150,000.

R. I., Providence — Clubhouse — Providence City Club plans clubhouse. $500,000.

Conn., Bridgeport — Hospital — Health Dept., City Welfare Bldg., plans hospital. $150,000. Engineer and architect not selected.

Conn., Bridgeport—Store—D. M. Read Co., 1102 Main St., having revised plans prepared by Monks & Johnson, archts. and engrs., 99 Chauncy St., Boston, Mass., and J. W. Northrop, associated archt., 211 State St., 6 story and basement, rein.-con., brick and steel, plain foundation, Broad St. $1,000,000. Former bids rejected. Noted Aug. 7.

N. Y., New York—Apartment—Fabian Crystal Co., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., having plans prepared brick, steel and stone, plain foundation, 37 Riverside Dr. $1,000,000.

N. Y, New York—Apartment—Lacleman Realty Corp., c/o Treaner & Fatlo, archts. and engrs., 131 West 44th St., having plans prepared 6 story, brick, steel and stone, plain foundation, East 71st St.

N. Y., New York—Garage—Levine & Witkins, c/o M. Klein, archt. and engr., 39 Graham Ave., Brooklyn, having plans prepared 2 story, 100 x 150 ft., rein.-con., brick and steel, plain foundation, West 143rd St., here. $200,000.

N. Y, New York—Hospital—Cranleigh Hospital, A. J. B. Savage, dir. Broad St. Hospital, having plans prepared by Warren & Wetmore, archts., 16 East 47th St., 8½ story, brick, steel and stone, plain foundation, 159 East 19th St. $500,000.

N. J., Newark — Apartments — Garden Apartments, Inc., R. A. Heller, pres., c/o G. C. Higby, archt. and engr., 207 Market St., having plans prepared 4 brick, steel and stone, plain foundations, Mt. Prospect Ave. $175,000 each.

N. J., Newark—Hospital—Beth Israel Hospital, F. L. Liveright, pres., 651 High St., having plans prepared by F. Grad, archt. and engr., 1023 Broad St., 7 story, brick, steel and stone, plain foundation, Lyons Ave. $2,000,000.

N. J., Princeton—Chemistry—Princeton University having plans prepared by Day & Klauder, Franklin Bank Bldg., Phila., 3 story and basement, 200 x 200 ft., rein.-con. and stone, plain foundation.

N. J., Trenton—Schools—Bd. Educ. plans new unit of Central High School, additions to Cook School and Hillcrest School. $775,000. R. C. Belleville, secy. Engineer and architect not selected.

Pa., California—School—Bd. Educ., Pike Run Twp., c/o C. Caram, having plans prepared by H. W. Altman, Fayette Bldg., Uniontown, 2 story and basement, 84 x 183 ft., East Pike Run Twp. $150,000.

Pa., Danville—Nurses Home—G. F. Geisinger, Memorial Hospital, rejected bids 4 story and basement, 38 x 156 ft., brick home. $300,000. Will readvertise. Noted Aug. 28.

Buildings—Commercial (Continued)

Pa., Donora—School—Bd. Educ. having plans prepared by C. C. Compton, 4th and Thompson Sts., remodeling 130 x 160 ft. and constructing 2 story and basement, 137 x 149 ft. addition, brick and tile, 1st St. $225,000.

Pa., Dormont (Pittsburgh P. O.)—Warehouse—Haugh & Keenan Storage & Transfer Co., 5911 Center Ave., Pittsburgh, will have revised plant prepared by Hunting Davis Co., Century Bldg., Pittsburgh, and probably take new bids in Spring, 2 story and basement, 90 x 105 ft., West Liberty and Biltmore Sts. $150,000. Noted Sept. 25.

Pa., Harrisburg—Schools—Voted $1,750,000 bonds for schools. Noted Oct. 30.

Pa., Phila.—Hospital—Dept. Pub. Health, c/o W. G. Krusen, City Hall, having plans prepared by P. H. Johnson, 1713 Sansom St., general hospital buildings, 34th and Pine Sts. $400,000.

Pa., Pittsburgh—High School—Bd. Educ., Fulton Bldg., having plans prepared by R. M. Trimble, Ferguson Bldg., 2 and 3 story and basement, brick and tile addition to Perry High School, Perrysville Ave. $338,250.

Pa., Pittsburgh—University—University of Pittsburgh, c/o J. G. Bowman, chancellor, having sketches made by Day & Klauder, Franklin Bank Bldg., Phila., 52 story and basement, 260 x 360 ft., steel, Schenley Park. $10,000,000.

Pa., Williamsport—Schools—Voted $800,000 bonds for schools. Noted Sept. 11.

Pa., Williamsport — Theatre — Chamberlain Amusement Enterprises, Inc., Shamokin, plans 3 story and basement, 80 x 150 ft., rein.-con. and steel, 3rd St. $300,000.

Md., Baltimore—Church—St. Elizabeth's R. C. Church, Baltimore and Lakewood Aves., having plans prepared by F. E. Tormey, 3411 Beech Ave., 3 story, 38 x 137 ft., stone, plain foundation, Baltimore and Lakewood Aves. $150,000.

Md., Baltimore—Museum—Voted $1,000,000 bonds for art museum. Noted Oct. 30.

Md., Baltimore—Office—Voted $2,000,000 bonds for office building. Noted Sept. 25.

Md., Baltimore—School—Mayor and City Council, City Hall, having plans prepared by Flournoy & Flournoy, 306 St. Paul St., 3 story and basement, brick, plain foundation, Preston St. between Druid Hill and McCullon Sts. $350,000. Engineer not selected.

Md., Towson — Schools — Baltimore Co. voted $1,500,000 bonds for 30 schools.

D. C., Wash.—Home—Methodist Home for Aged, Connecticut Ave. and Kennedy St. N. W., having plans prepared by A. B. Heaton, 1211 Connecticut Ave. N. W., constructing home. $280,000.

D. C., Wash.—High School—Bd. Educ. having plans prepared new Junior High School. $300,000.

D. C., Wash.—Hospital—Dist. Comrs. having revised plans prepared addition to Galligher Hospital. $160,000.

D. C., Wash. — Library — Catholic University, Michigan Ave., N. E., had plans prepared by Murphy & Olmstead, 1413 H St. N. W., library building. $750,000.

D. C., Wash. — School — Dist. Comrs. takes bids after Dec. 1, Old John F. Cook School, recently destroyed by fire, P and 1st Sts. N. W. $250,000.

D. C., Wash.—School—Dist. Comrs. having plans prepared by A. L. Harris, 728 17th St. N. W., McKinley Manual Training School, 2nd and T Sts. N. E. $2,250,000.

D. C., Wash. — School — Dist. Comrs. plans new school for colored 4th and D Sts. $200,000.

N. C., Raleigh—Hotel—Travelers Protective Assn. of North Carolina and South Carolina plans Travelers Hotel, 12 story and basement, containing 125 rooms, Hargett St. $300,000. Engineer and architect not selected.

N. C., Raleigh—Office—Wachovia Trust Co. plans 8 story and basement office building, McDowell St. $400,000. G. Stephenson, Raleigh, vice-pres.

N. C., Winston-Salem—City Hall—City Comrs. take bids about Dec. 10, 4 story, 108 x 210 ft., rein.-con., marble and terrazzo. $250,000. Northut & O'Brien, Winston-Salem, archts. Noted Jan. 31.

Ga., Atlanta—Church and School—Central Presbyterian Church, 45 Washington St., having preliminary plans prepared by Daugherty & Gardner, Stahlman Bldg., Nashville, Tenn., 2 story, concrete and brick addition, stone foundation. $150,000.

Fla., Bradentown — Bank and Office — Bradentown Bank & Trust Co., Bradentown, L. A. Bize, pres., Tampa, having plans prepared by **M. L. Elliott**, Citizens Bank Bldg., Tampa, and **J. H. Johnson**, Bradentown, 7 story, 50 x 100 ft., rein.-con., Manatee and Court Sts. $250,000.

Fla., St. Petersburg—Hotel—Vinoy Park Hotel Co., A. P. Avery, pres., plans hotel, Beach Dr. $1,500,000. Keystone Securities Co., F. V. Blair, pres., will finance project.

Ala., Florence—Hotel—Chamber of Commerce plans hotel. $650,000 funds being raised. L. Block, promoter and stockholder. Engineer and architect not selected.

Tenn., Chattanooga—Library—University of Chattanooga, plans library. $150,000.

O., Cleveland—Apartment—A. Rothenberg, 2163 Ontario St., having preliminary plans prepared by M. Weiss, 617 Union Bldg., 3 story and basement, 38 x 177 ft., brick, 2049 Cornell Rd. $175,000.

O., Cleveland—Church and Sunday School—C. E. Schley, archt., 524 Griswold St., Detroit, Mich., preparing preliminary plans 2 story and basement, 150 x 180 ft., rein.-con., brick and steel, plain foundation. Owner's name withheld.

O., Cleveland — Dancing Pavilion — The 9001 Euclid Co., c/o F. B. Conklin, Euclid Gardens, 3699 Euclid Ave., having plans prepared by F. J. Goldston, Ohio Bldg., 2 story and basement, brick, steel and concrete, 9001 Euclid Ave. $225,000. W. S. Ferguson, 1900 Euclid Ave., superv. engr.

O., Cleveland — Garage — City, E. D. Barry, dir. Pub. Serv., City Hall, having plans prepared by H. Kregelius, City Hall, 1 story, 170 x 191 ft., brick, steel and concrete, Dell Ave. $150,000.

O., Cleveland—Nurses Home, etc.—Mt. Sinai Hospital, F. E. Chapman dir., 1800 East 105th St., had plans prepared by C. R. Greco, Guardian Bldg., 2 and basement, brick, steel and concrete nurses home, laboratory and dispensary. $750,000. Noted May 1.

O., Dayton—Schools—Voted $4,000,000 bonds for schools.

O., Lancaster—High School—Defeated $450,000 bonds for high school. Noted Oct. 23.

O., Lorain — Theatre — A. Og, plans 2 story theatre, Bway. near 5th St.

O., Youngstown—High School—Bd. Educ. plans 3 story and basement, high school. $600,000. P. Boucherle, Youngstown, archt.

O., Youngstown—Warehouse—Great Atlantic & Pacific Tea Co., plans 200 x 300 ft. warehouse, Abbot St., and Hubbard Rd. $500,000.

Mich., Detroit—Apartment—J. I. Weinberg, archt., 402 Congress Bldg., prepared plans 4 story and basement, 115 x 129 ft., rein.-con., brick and steel, plain foundation, Oakman Blvd. $200,000. Owner's name withheld.

Mich., Detroit—Church—Central Christian Church, 2nd Blvd. and Ledyard St., having tentative plans prepared by Donaldson & Meier, 1312 Penobscot Bldg., 2 story and basement, 60 x 150 ft., rein.-con., brick and steel, plain foundation, 2nd Blvd. and Ledyard St. $350,000.

Mich., River Rouge—School—Bd. Educ. having plans prepared by A. R. Morison, 2210 Park Ave., Detroit, 3 story and part basement, rein.-con., brick and stone, plain foundation. $150,000.

Ill., Addison—Industrial School—Addison Industrial Home soon takes bids 2 story, 169 x 245 ft., brick and concrete. $150,000. Worthman & Steinbach, 155 North Clark St., Chicago, archts.

Ill., Alton—Convent and School—Ursuline Sisters, 4th and Alton Ave., having preliminary plans prepared by A. B. Grove, archt., Stock Exchange Bldg., St. Louis, 3 story, concrete, brick and stone convent and school. $400,000.

Ill., Cicero—School—Cicero High School Bd. takes bids about Jan. 1, superstructure for 3 story, 216 x 256 ft., rein.-con., brick and stone, $350,000. Ashby, Ashby & Schulze, 1511 West Jackson Blvd., Chicago, archt. Noted Aug. 28.

Ia., Davenport—Theatre and Auditorium—Palmer School of Chiropractic, having plans prepared by Clawsen & Kruse, 910 Kahl Bldg., rein.-con., brick, steel and stone, 11th St. and Brady Ave. $600,000.

Ill., Waukegan—Apartment, Store, Office, etc. J. A. Miller, 206 Washington St., soon takes bids 2 story and basement, 100 x 137 ft., rein.-con., brick and stone. $175,000. A. L. Alschuler, 28 West Jackson Blvd., Chicago, archt. Noted Apr. 10.

Wis., Fenimore—Hotel—Badger Hotel Co., c/o M. F. Blumenfeld, Beaver Bldg., Madison, having plans prepared by Balch & Lippert, Gay Bldg., Madison, 3 and 4 story, 50 x 80 ft., brick, rein.-con. and steel, plain foundation, here. $150,000.

Wis., Kenosha—Hospital—Kenosha Hospital Assn., 529 South Chicago St., having preliminary plans prepared by N. [illegible] Dunning, 310 South Wabash Ave., Chicago, 3 story and basement, brick and concrete addition, plain foundation. $300,000

Wis., Madison — Chapel — Wisconsin Branch Amer. Lutheran Assn., W. Buchner, pres., 356 11th Ave., Milwaukee, having preliminary plans prepared by Kaiser & Holst, 105 Wells St., Milwaukee, 1 and 2 story, brick, tile and stone, plain foundation, State St. $150,000.

Wis., Milwaukee—Apartment and Store—M. Miller, 216 West Water St., having revised plans prepared by M. Tullgren & Sons, 425 East Water St., 3 story and basement, 60 x 114 ft., brick and tile, plain foundation, Maryland Ave. $150,000.

Wis., Milwaukee—School—School Bd., F. Harbach, secy., having plans prepared by Van Ryn & De Gelleke, 114 Grand Ave., 3 story and basement, brick and concrete, Center and 60th Sts. $300,000.

Wis., Milwaukee—Theatre, Store and Office—Mal Investment Co., 376 East Water St., having preliminary plans prepared by Rosman & Wierdsman, 490 Bway., 2 story and basement, brick and concrete, plain foundation, 27th and Wells Sts. $350,000.

Wis., Stevens Point—School—Bd. Normal Regents, W. J. Kittle, secy., Madison, making plans 2 story and basement, rein.-con., brick and steel, plain foundation, here. $250,000. Engineer and architect not selected.

Ia., Cedar Rapids—Apartment—H. E. Hunter, archt., 503 Security Bldg., takes bids about Dec. 10, superstructure for 6 story and basement, 120 x 120 ft., rein.-con., brick and steel, 2nd Ave. and 14th St., for Commonwealth Apartment, Inc. Contract already let for rein.-con., brick and steel footings, to O. F. Paulson, Cedar Rapids. Noted Oct. 2.

Ia., Clinton—Church, etc.—First Presbyterian Church, c/o G. W. Cravens, chn. building com., plans rein.-con. and brick church, parish house and parsonage. $200,000.

Ia., Creston—High School—Election Nov. 24, $275,000 bonds for new high school. Former election defeated. Noted Oct. 9.

Ia., Waukon—Court House—Allamakee Co. having plans prepared by J. G. Ralston, archt., Waterloo, 3 story and basement, rein.-con., brick and cut stone. $175,000.

Minn., Duluth—City Hall—City having plans prepared by German & Jenssen, engrs. and archts., 407 Exchange Bldg., and takes bids probably early in January, 3 story and basement, 250 x 300 ft., rein.-con. and stone, concrete pile foundation, 1st St. and 4th Ave. $1,000,000.

Minn., Rochester — High School — Bd. Educ., S. L. Seaman, clk., Rochester, plans 2 story and basement, rein.-con., brick, tile and stone high school. $275,000. Engineer and architect not announced.

Neb., Lincoln—Schools—Voted $3,000,000 bonds six new grade and two Junior high schools, also additions to old buildings. Noted Oct. 30.

Neb., Omaha—Apartment and Church—Peoples Church, c/o C. H. Savidge, pastor, 2228 Maple St., is raising $150,000, probably 3 story and basement, 66 x 132 ft. combined apartment and church. $150,000. Engineer and architect not selected.

Neb., Omaha—College—Bd. Regents University of Nebraska, College of Medicine, 42nd St. and Dewey Ave., having preliminary plans prepared hospital wing, gymnasium addition to nurses home, etc. Approximately $750,000. Engineer and architects' names withheld.

S. D., Aberdeen—Hospital—Lincoln Hospital, c/o R. D. Alway, Aberdeen, plans probably 3 story and basement, brick addition, $150,000.

Mo., Carthage—College—Ozark Wesleyan College, Carthage, having plans prepared by Bonsack & Pearce, 704 Olive St., St. Louis, 3 story and basement, rein.-con., brick and stone. $300,000.

Mo., Jefferson City—Bank, etc.—First Natl. Bank making preliminary plans rein.-con., brick, stone and steel, High and Madison Sts. $150,000 up.

Mo., North Kansas City — High and Grade School—Bd. Educ. having plans prepared by H. D. Pampel, 702 Finance Bldg., Kansas City, 2 story and basement, 140 x 170 ft., rein.-con., brick and stone. $190,000.

Mo., Springfield—Church—First Presbyterian Congregation, c/o J. T. Bacon, 701 South Florence St., having preliminary plans prepared by R. H. Hunt Co., Southwestern Life Bldg., Dallas, Tex., 2 story

Buildings—Commercial (Continued)

and basement, brick, stone and steel church. $180,000.

Mo., Springfield — Hospital — Methodist Episcopal Congregation (Bd. Hospitals), soon takes bids 4 story and basement, 42 x 120 ft., brick addition. $175,000. E. Hawkins & Co., 400 McDaniel Bldg., archts. W. R. McCormick, 608 South Jefferson St., pres. Noted Aug. 14.

Mo., Springfield—School—Bd. Educ. had plans prepared by E. Hawkins & Co., 400 McDaniels Bldg., school. $150,000.

Mo., St. Joseph—Hospital—City having preliminary plans prepared by E. R. Meier, Lincoln Bldg., 3 story and basement, rein.-con., brick and stone isolation hospital. $150,000.

Mo., St. Louis—Apartment—May Building & Investment Co., 810 Chestnut St., having preliminary plans prepared by O. J. Popp, 1501 Arcade Bldg., 3 story and basement, 126 x 160 ft., rein.-con., brick and stone, Cabane and Goodfellow Sts. $150,000.

Mo., St. Louis—Community—L. G. Olian, chn. Committee, 5661 Waterman Ave., making preliminary plans 2 story and basement, 95 x 127 ft., rein.-con, brick and stone, Page St. and West End Pl., for use of Orthodox Jewish children. $150,000. Private plans.

Tex., Crosbyton—School—E. F. Rittenberry, archt., Blackburn Bldg., Amarillo, soon takes bids rein.-con. and brick, plain foundation, for Bd. Educ. $150,000.

Tex., Dallas—Agriculture—State Fair of Texas Assn., c/o H. A. Olmsted, pres., plans rein.-con. and brick building at Fair Grounds. $250,000. Engineer and architect not announced.

Tex., Dallas—Sunday School—Cliff Temple Baptist Congregation, W. Bassett, pastor, Oak Cliff, plans 4 story and basement, 100 x 100 ft. Sunday school building, 10th and Beckley Sts. $200,000. Engineer and architect not selected.

Tex., Ft. Worth—Church—Magnolia Ave. Christian Congregation, c/o J. Underwood, pastor, Magnolia St. and Alston Ave., having preliminary plans prepared by Glasgow & Longley, Ft. Worth, 4 story and basement, 120 x 120 ft. church. $300,000.

Tex., Galveston—Hotel—C. K. Jorgenson & Co. having plans prepared by W. S. Murdock, archt., 6605 Ave. N., Houston, 11 story and basement hotel. $800,000.

Tex., Greenville—Administration—Burleson College, H. L. Durham, pres. plans administration building. $150,000. Engineer and architect not selected.

Tex., Houston—Apartment—San Jacinto Realty Co. having plans prepared by G. P. Post & Son, 1003 Pioneer Trust Bldg., Kansas City, Mo., 5 story and basement, 125 x 192 ft., rein.-con., tile and stucco. $500,000.

Tex., Houston — Auditorium — Election Nov. 29, $300,000 bonds remodeling city auditorium. A. C. Finn, Bankers Mortgage Bldg., archt.

Tex., Houston—Lodge and Store—C. F. Brown, secy. El Tex Temple D.O.K.K., c/o City Hall, soon takes bids 3 story and basement, 100 x 100 ft., rein.-con. and brick, Austin St. $150,000. R. D. Steele, 1st Natl. Bank Bldg., archts.

Tex., Houston—High School—Bd. Educ. having plans prepared by W. W. Watkin, 212 Scanlon Bldg., and Endress & Cato, 831 Bankers Mortgage Bldg., Junior High School, 3 story, rein.-con., brick, steel and stone, Polk Ave., Gustav and Baird Sts. $500,000. R. T. Cummins, 727 Bankers Mortgage Bldg., engr.

Tex., Houston — High School — H. L. Mills, bus. mgr. Norhill Addition Bd. Educ., 1600 Washington Ave., soon takes bids Junior High School, 3 story and basement, Washington Ave. $500,000. W. W. Watkin, Scanlon Bldg., superv. archt.

Tex., Lubbock—Office—J. F. and W. A. Bacon, Lubbock, making plans and soon takes bids, 4 story and basement, 104 x 125 ft., brick and stone, plain foundation. $150,000. Private plans.

Tex., Paris—Hospital—W. D. Lawrence, judge Lamar Co., c/o County Bldg., soon takes bids hospital. $150,000 bonds voted. Engineer and architect not announced.

Tex., Port Arthur—Hotel—Stock Co., c/o Chamber of Commerce, plans 6 story, 150 room, brick, rein.-con. and steel. $350,000.

Tex., San Antonio—Hospital—City, J. Cunningham, chn. Finance Com., 1520 Main Ave., receiving competitive sketches 3 story and basement, brick and concrete hospital. $200,000 to be raised during week Nov. 10. Noted May 29.

Okla., McAlester—Church—First Christian Church, having preliminary plans prepared by S. S. Voight, 504 Orpheum Bldg., 1 story, 120 x 160 ft., brick, plain foundation, Chickasaw St. $160,000.

Colo., Denver—Hotel—C. A. Colburn and associates, 416 East 10th Ave., having plans prepared by W. N. Bowman, Central Savings Bank Bldg., 12 story hotel, 18th Ave. and Bway. $1,000,000.

Colo., Denver—Infirmary—Natl. Jewish Hospital for Consumptives, Colfax Ave. and Colorado Blvd., having plans prepared by Fisher & Fisher, U. S. Natl. Bank Bldg., 3 story, center portion 4 story, 60 x 220 ft., rein.-con., brick and terra cotta. $250,000.

Colo., Ft. Morgan—High School—School Dist. having plans prepared by W. N. Bowman, Central Savings Bank Bldg., Denver, rein.-con. and brick. $290,000 bonds voted.

Nev., Reno—Hotel—G. Wingfield, c/o Golden Hotel, plans 4 story annex. $200,000. F. J. DeLongchamps, Gazette Bldg., archt.

Wash., Seattle—Garage and Service—The Bon Marche, 2nd and Union Sts., MacDougall-Southwick Co., 2nd and Pike Sts., Fraser-Patterson, 2nd and University Sts., and Rhodes Co., 1321 2nd St., plan 7 story, 110 x 160 ft., rein.-con., cast stone and metal. $500,000.

Calif., Burbank—High School—Burbank High School Dist. plans high school. $280,000 bonds voted. Noted Nov. 6.

Calif., Burbank — Schools — Burbank Grammar School Dist. plans additional schools. $200,000 bonds voted. Noted Nov. 6.

Calif., Los Angeles — Church — N. F. Marsh, archt., Bway. Central Bldg., soon takes bids 2 story and basement, approximately 120 x 150 ft., brick, 24th St. and Griffith Ave., for Second Baptist Church. $150,000.

Calif., Los Angeles—Club—Michigan Society of Southern California, 2801 South Hill St., plans 7 to 9 story and basement, Class A, Figueroa St. $400,000-$600,000.

Calif., Los Angeles—Dormitory—University of California, Southern Sect., having plans prepared by Woollett & Eager, 1211 Pacific Mutual Bldg., 3 story and basement, 90 x 125 ft., brick. $150,000 (ultimate $350,000).

Calif., Los Angeles—Office—K. C. Gillette, 100 Fremont Pl., plans approximately 12 story, Class A, 6th St. To exceed $150,000. Meyer & Holler, Wright-Callendar Bldg., archts.

Calif., Los Angeles—Warehouse—Hollywood Fireproof Storage Co., c/o Morgan, Walls and Clements, archts., Van Nuys Bldg., having plans prepared 50 x 200 ft., rein.-con., Highland Ave. $250,000.

Calif., Oakland—High School—Bd. Educ. plans Garfield Junior High School. $150,000 or more. Engineer and architect not selected.

Ont., Toronto—Garage, etc.—McLaughlin Motor Car Co., 128 Church St., having plans prepared by Hutton & Souter, Bank of Hamiltno Bldg., Hamilton, 2 story and basement, 50 x 100 ft., rein.-con., brick and steel, plain foundation. $150,000.

Que., Anticosti — Convent — Sisters of Charity soon takes bids new convent. $170,000. Private plans.

Ont., Ft. William—Collegiate—Bd. Educ. having plans prepared by R. E. Mason, Ft. William, 2 and 3 story and basement, 15 room, rein.-con., brick and steel addition, plain foundation. $200,000.

BIDS DESIRED

Mass., Marlboro—High School—School Building Comn., C. F. Putnam, clk., City Hall, taking bids altering and constructing 3 story and basement, brick and tile addition. $150,000. Former bids rejected. C. M. Baker, 25 Arch St., Boston, archt.

Mass., Norwood—High School—Nov. 17, by F. A. Cleveland, chn. Town Bd., 2 story and basement, 58 x 227 ft., brick, plain foundation, Nichols St. $350,000. W. G. Upham, Bigelow Bldg., archt. Noted Nov. 6.

Mass., Westboro — High School — Bd. Educ. taking bids 3 story and basement, brick and stone. $200,000. Ritchie, Parsons & Taylor, 15 Ashburton Pl., Boston, archts. Noted Oct. 23.

N. Y., Fordham—Library—Nov. 19, by E. G. Perrot, archt., Woolworth Bldg., New York, 3 story and basement, 70 x 140 ft. brick and steel, plain foundation, for Fordham University.

N. Y., New York—Office and Loft—A. Bricken, 300 Madison Ave., will build 22 story, brick, steel and stone, plain foundation, Bway. and 38th St. $3,500,000. Work will be done by separate contract under supervision of owners.

Pa., Easton—Hotel—Nov. 15 (extended date), by Thomas, Martin & Kirkpatrick, archts., Otis Bldg., Phila., 7 story and basement, 112 x 136 ft., brick and steel, plain foundation, North Hampton and Green Sts., for Hotel Easton Corp., Northampton Bank Bldg. $1,000,000.

D. C., Wash.—Armory, etc.—Nov. 25, by Dept. Interior, Wash., D. C., constructing armory and gymnasium, at Howard University. J. H. Edwards, acting secy.

N. C., Raleigh—Office—Dec. 1, by W. N. Everett, secy. State Building Comn., 5 story and basement, 100 x 150 ft., limestone, steel and rein.-con. $300,000. Atwood & Nash, Chapel Hill, engrs.

Mich., Detroit—Apartment—Nov. 20, by Weinberg & Gothold, archts. and owners, 401 Congress Bldg., 3 story and basement, 100 x 116 ft., brick, steel and stone, plain foundation, Elmhurst Ave. and LaSalle Blvd. $165,000.

Mich., Detroit — Garage — Donaldson & Meier, archts., 1312 Penobscot Bldg., taking bids and opens same about Nov. 20, 1 story and part basement, 120 x 150 ft., brick, steel and stone, plain foundation, Cass and Palmer Aves. $150,000. Owner's name withheld.

Mich., Detroit — Mercantile — A. Kahn, archts., 1000 Marquette Bldg., taking bids and opens same about Nov. 15, 12 story and basement, 60 x 100 ft., rein.-con., brick and steel, plain foundation, Shelby St., for Peoples Outfitting Co., Michigan Ave.

Mich., Detroit—School—Nov. 24, by C. A. Gadd, bus. mgr. Bd. Educ., 2 story and basement, about 110 x 140 ft., rein.-con., brick and steel, plain foundation, Marlborough, Korte, Philip and Avondale Aves. $175,000. McGrath & Page, 2231 Park Ave., archts.

Ill., Carbondale — Gymnasium — Nov. 25 (extended date), by Dept. Pub. Wks., Springfield, at Southern Illinois State Normal University, Carbondale, 2 story and basement, 90 x 216 ft., rein.-con., brick and stone. $150,000. Noted Oct. 2.

Ill., Waukegan—Office and Apartment—L. L. Alschuler, archt., 28 West Jackson St., Chicago, taking bids 2 story and basement, 100 x 137 ft., rein.-con., brick and stone, for J. A. Miller, 206 Washington St. $175,000.

Ia., Cedar Falls—Dormitory and Gymnasium—Nov. 25, by Iowa State Teachers College, 2 story, 90 x 160 ft., rein.-con., brick and stone. $150,000. Proudfoot, Bird & Rawson, 810 Hubbell Bldg., Des Moines, archts. Noted July 31.

Mo., St. Louis—Manual Training School—Dec. 2, by Bd. Pub. Serv., 208 City Hall, 2 story and basement, rein.-con., brick and stone, Scott Farm. $150,000. L. R. Bowen & H. Updike, 301 City Hall, archts.

Wash., Seattle—Office—Jan. 2, by H. Bittman, archt., Securities Bldg., takes bids in about 60 days (1st unit) 4 story, 100 x 125 ft., rein.-con. and terra cotta, 3rd and Stewart Sts., for Washington Securities Co., Securities Bldg., $275,000. Total cost $6,000,000 for four units.

Ont., Ottawa—Hospital—Nov. 24, by Lady Gray Hospital Comn., City Hall, hospital addition, Carling Ave. $150,000. J. A. Ewart, Ottawa, archt.

BIDS RECEIVED

Mass., Dorchester (Boston P. O.)—School—School House Dept., City Hall, Boston, 2 story and basement, 89 x 120 ft., brick and stone, Athewold St., John Marshall Dist., here, from J. Rugo, 80 Boylston St., Boston, $179,440. Noted Oct. 30.

Mass., Marlboro—School—Bd. Educ., 2 story and basement, 80 x 130 ft., brick and cut stone, Pleasant St., from J. P. Keating Co., 80 Boylston St., Boston, $122,444. Noted Oct. 30.

Mass., West Roxbury (Boston P. O.)—School—Schoolhouse Dept., Boston, 2 story and basement, 40 x 135 ft., brick and stone, Germantown Dist., here, from Archdeacon & Sullivan, 5 East Concord St., Boston, $91,630. Noted Oct. 23.

N. Y., New York — Apartment — One Hundred Twenty-Eight Central Park South Corp., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., will build 15 story, 76 x 80 ft., rein.-con., brick, steel and stone, plain foundation, 126-130 West 59th St. $1,250,000. Work will be done by separate contracts under supervision of architects.

Pa., Phila.—School—Bd. Educ., 19th and Chestnut Sts., general contract 3 story and basement, 80 x 123 ft., rein.-con. and brick addition to Wm. Cullen Bryant School, plain foundation, 60th and Cedar Sts., from Bowden Constr. Co., 1935 Chestnut St.,

Buildings—Commercial (Continued)

$195,900; heating, from F. J. Mellon, 5485 Beaumont St., $24,947.

Calif., Huntington Park—High School—Huntington Park Union High School Dist., general contract high school on Bell St., from Willard-Brent Co., 254 East 27th St., Los Angeles, $193,990.

CONTRACTS AWARDED

Mass., Arlington—Store and Office—C. A. Shionis, Coolidge Corner, Brookline, 2 story and basement, 85 x 90 ft., reni.-con., brick, stone, steel and marble, Bway. and Medford St., to J. MacDonald Constr. Co., 77 Summer St. Archts. est. $150,000. Noted Sept. 11.

Mass., Boston — Hospital — Beth Israel Hospital, Townsend St., Roxbury, 3 story and basement, 35 x 60 ft., brick and limestone, Brookline and Longwood Aves., to Holt-Fairchild Co., 7 Water St. Noted Nov. 6.

Mass., Boston—Warehouse—C. E. Osgood Co., 744 Washington St., 5 story and basement, 110 x 112 ft., Washington and Harvard Sts., to W. A. and H. A. Root, Park Sq. Bldg. Archts. est. $150,000. Noted Sept. 25.

Mass., Brighton (Boston, P. O.)—Seminary—St. John's Ecclesiastical Seminary, 2 story and basements, 120 x 130 ft., brick, tile and granite addition, to C. Logue Building Co., 18 Tremont St., Boston. Archts. est. $200,000. Noted Oct. 2.

Mass., Cambridge (Boston P. O.) — Dormitories — Harvard University, two 5 story dormitories, known as North and South Holden dormitories, Peabody St., to I. G. Hersey & Sons Co., 75 Wareham St., Boston. Noted Aug. 21.

Mass., Chicopee—Manufacturing—B. F. Perkins & Son, 1 Crescent St., Holyoke, general contract 4 story, 74 x 165 ft., concrete, steel and brick, Chicopee St., to Casper Ranger Constr. Co., Holyoke, $200,000.

Mass., Lynn—Store—Hill & Welch, 104 Monroe St., altering and constructing 6 story and basement addition to store and office building, Willow St., to C. H. Cunningham & Son, 23 Central Ave. Archts. est. $150,000.

Mass., Marlboro—High School—City, altering and constructing 3 story and basement, 75 x 85 ft., brick and stone addition, plain foundation, Main St., to Hoyt Constr. Co., 85 Dartmouth St., Holyoke, $137,527. Archts. est. $175,000. Noted Oct. 30.

Mass., Medford — Nurses Home — Lawrence Memorial Hospital, E. B. Moore, chn., Norwood, will build 3 story and basement, 36 x 92 ft., brick, by day labor, here. $150,000. C. B. Dunham, 6 Beacon St., Boston, archt. Noted Oct. 2.

Mass., Newton — Library — Boston College, Chestnut Hill, will build 2 story and basement, Commonwealth Ave. and Chestnut Hill, by day labor. Maginnis & Walsh, 100 Boylston St., Boston, archts.

Mass., Roxbury (Boston, P. O.)—Apartment—J. Resnick, 10 Esmond St., Boston, will build 3 story and basement, 60 x 180 ft., brick and stone, Abbottsford Rd. and Walnut Ave., here, by day labor. $160,000. S. Levy, 39 Court St., Boston, archt. Noted Sept. 25.

Mass., Waltham—School—School Comn., 2 story and basement, 36 x 136 ft. with 82 x 85 ft. wing, brick and stone, Lake View Dist., to J. P. Keating, 80 Boylston St., Boston. Noted Oct. 30.

R. I., Providence — Museum — Rhode Island School of Design, 11 Waterman St., 5 story, 84 x 140 ft., Waterman and Benefit Sts.; to Starrett Bros., 101 Park Ave., New York City. Archts. est. $500,000. Noted Oct. 16.

N. Y., New York—Apartment—Herman & Shapiro, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, brick, steel and stone, plain foundation, Thayer St., by day labor. $300,000.

N. Y., New York—Apartment—S. B. Steinmetz, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, 100 x 200 ft., brick, steel and stone, plain foundation, Tremont Ave., by day labor. $350,000.

N. Y., New York—Apartment—J. Weinstein, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, brick, steel and stone, plain foundation, West 195th St., by day labor. $300,000.

N. Y., Rome—High School—Bd. Educ., constructing high school to Stanberg Bros., Transportation Bldg., Chicago, Ill. archts. est. $400,000. Noted Oct. 2.

Pa., Chester — Office, etc. — Delaware County Electric Co., brick and steel, plain foundation, 3rd and Broomall Sts., to Chester Constr. Co. Chester. Archts. est. $150,000.

Pa., Scranton—Store—G. N. Edson, archt., Connell Bldg., 8 story and basement, 75 x 105 ft., brick and steel, plain foundation, Lackawanna Ave., to Breig Bros., 209 Wyoming Ave., for Household Outfitting Co., Frank and Kleman St. Archts. est. $250,000.

D. C., Wash.—Office—A. O. Hager, constructing addition to office, to Boyle Robertson Constr. Co., Evans Bldg., $200,000.

Va., Roanoke—Hotel—W. L. Stoddart, archt., 50 East 41st St., New York City, 11 story and basement, 134 x 161 ft., rein.-con. and brick, Jefferson St., here, to J. Stewart & Co., Keyser Bldg., Baltimore, Md., for New Hotel Corp. $900,000. Noted Oct. 9.

O., Cleveland — Commercial Apartment and Theatre—G. Palda, 81 Engineers Bldg., 1 and 2 story and basement, 90 x 125 ft., brick, steel and concrete, Lorain Ave., to N. Pavla, 11124 Larain Ave. Archts. est. $150,000.

O., Cleveland—Temple—B'Nai Jeshuran Congregation, c/o M. Amster, chn. Building Com., 3502 Woodland Ave., 2 and 3 story, 185 x 185 ft., brick, steel and concrete, Mayfield Rd., to Lundoff-Bicknell Co., B. F. Kieth Bldg. Archts. est. $1,000,000. Noted Sept. 18.

Mich., Royal Oak — School — A. Wood, archt., 3513 Woodward Ave., Detroit, 2 story and basement, 10 room, rein.-con., brick and steel addition, plain foundation, Dist. 8, to W. W. DeLange, South Washington St., for Royal Oak Bd. Educ. Dist. 8. Archts. est. about $150,000. Noted Oct. 9.

Ill., Cicero—Store and Apartment—H. B. Aaren, archt., 1000 Argyle, Chicago, 3 story and basement, 75 x 110 ft., brick and concrete, to Tully & Costello, 30 North La Salle St., Chicago, for J. Duffy, State Bank Bldg. Archts. est. $175,000.

Wis., Racine—Hospital—E. B. Funston Co., archts., Janes Bldg., (1st unit) 4 story and basement, 40 x 96 ft., brick and concrete addition, plain foundation, and central heating plant, to Bondgard & Christensen, 1135 Mound Ave., Racine, for St. Lukes Hospital, 13th St. and College Ave. Archts. total est. $200,000.

Minn., St. Paul—Store and Office—Montgomery Ward & Co., H. W. Smith, mgr., 1400 University Ave., general contract 9 story and basement, 146 x 221 ft., rein.-con. and stone addition, to Wells Bros. Constr. Co., 53 West Jackson Blvd., Chicago, Ill.

Kan., Hays—College—Capauchin Fathers will build 3 story and basement, 160 x 190 ft., brick and cut stone, by day labor; cut stone, to Cuthbert Cut Stone Co., 135 North Elizabeth St., Wichita. Archts. est. $750,000.

Kan., Topeka — Church — Westminster Presbyterian Congregation, 1252 College Ave., general contract 2 story and basement, 100 x 130 ft., concrete, brick and stone, Boswell Ave., to Stimson Contg. Co., 414 New England Bldg. Archts. est. $150,000. Noted Sept. 11.

Mo., St. Louis — Apartment — Trade Realty & Building Co., 111 North 7th St., general contract 3 story and basement, 41 x 160 ft., rein.-con., brick and stone, Waterman St., to F. J. Cornwell Real Estate Co., 111 North 7th St. Archts. est. $150,000.

Tex., Lubbock — Textile — Bd. Regents Texas Technological College, c/o A. G. Carter, chn., general contract 3 story and basement, rein.-con. and brick, plain foundation, to J. T. Taylor, Burk Burnett Bldg., Ft. Worth, $138,975. Noted Oct. 23.

Okla., Tulsa — Office and Store — See "Buildings—Industrial."

Calif., Emeryville—Shops, etc.—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, group 1 story buildings, storage yards, electrical shops, metal and machine shops, warehouses, etc., Hillis St. between 45th and Stanford Aves., here, to Lindgren-Swinerton, Inc., Standard Oil Bldg., San Francisco, approximately $120,000.

Calif., Glendale — Theatre, Store and Apartment—M. G. Khodigian, 900 East Colorado St., 2 story, approximately 90 x 195 ft., brick, East Colorado Blvd., to Woodworth & Son, 200 East Colorado St., Pasadena, $154,000.

Calif., Los Angeles—Church—Allison & Allison, archts., Hibernian Bldg., general contract rein.-con. church, Plymouth Ave., to Macdonald and Driver, Douglas Bldg., for Wilshire Congregational Church. $122,195. Noted Oct. 23.

Calif., Los Angeles—Hotel—L. Chatt, 5 story, brick, Columbia Ave., to Pacific Housing Corp., 634 South Western Ave., percentage basis. Archts. est. $150,000.

Calif., Los Angeles—Hotel—I. Holsman, 4 story and basement, 80 x 150 ft., brick and concrete, 7th and Berendo Sts., ... contract, to H. H. Hinds, 351 South ... St., $124,850.

Calif., San Francisco—Club—N... League for Womens Service, c/o ... Polk & Co., archts., Hobart Bld... build 7 story and basement, rein.-co... St., by day labor, under supervisio... R. Collupy, 464 California St. $60...

Calif., Santa Monica — Club — Ca... Mar Club, c/o C. F. Plummer, arch... Story Bldg., Los Angeles, 6 story a... ment, rein.-con., Pico Blvd., he... Richards—Neustadt Co., Trust & S... Bank, Los Angeles, percentage ... Archts. est. to exceed $750,000. ... Aug. 21.

Calif. South Pasadena—Church—South Pasadena Calvary Presbyterian Church, brick church, Fremont and Oxley Sts., to H. A. Fink, 1212 East Colorado St., Pasadena, $155,000.

Federal Government Work

PROPOSED WORK

Mass., South Boston (Sta. Boston) — Capstans—Spec. 5027—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans 4 electrically driven capstans at Naval Dry Dock, here.

Wash., Vashon Island—Beacon Towers—Spec. 5008—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids steel beacon towers, here.

BIDS DESIRED

Mass., South Boston (Boston Sta.) — Dredging—Spec. 5042—Nov. 19, by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging 40,000 cu.yd. at entrance of Naval Dry Dock here.

R. I., Providence—Dredging—Dec. 12, by U. S. Engineer Office, dredging in Norwalk Harbor, Conn.; adv. E. N.-R. Nov. 13.

Conn., New London—Repairs—Nov. 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to piers, at submarine base.

N. Y., New York—Dec. 15, by U. S. Engineer Office, Room 710 Army Bldg., 39 Whitehall St., dredging in Hudson River; adv. E. N.-R. Nov. 13.

Pa., Phila.—Coal Bunker—Spec. 5050—Nov. 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., alterations to coal bunker.

Md., Annapolis—Well—Spec. 5049—Nov. 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., artesian wells, here.

Fla., St. Petersburg—Driveway—Dec. 2, by Treas. Dept. at office Supervising Archt., Wash., D. C., covering and enclosing driveway at U. S. Post Office, here.

Ala., Florence—Steel—Dec. 1, by P. T. Samuels, ch. supply division, 300,000 lb. reinforced steel.

Mich., Kalamazoo—Elevator—Dec. 3, by Treas. Dept. at office Supervising Archt., Wash., D. C., installing full magnet control electric freight elevator, in Post Office, here; adv. E. N.-R. Nov. 13.

Mich., Kalamazoo—Post Office—Dec. 3, by Supervising Architect, Wash., D. C., extending and repairing post office, here.

Neb., Omaha—Changes—Dec. 8, by Treas. Dept. at office Supervising Archt., Wash., D. C., changes, remodeling and repairing in Court House, Custom House and Post Office, here; adv. E. N.-R. Nov. 13.

Calif., Stockton—Post Office—Dec. 1, by Treas. Dept. at office Supervising Architect, Wash., D. C., alterations and extensions to post office, here; adv. E. N.-R. Nov. 13.

BIDS RECEIVED

Me., Rockland—Stone—U. S. Engineer Office, Custom House, Boston, Mass., furnishing and placing about 7,000 tons stone in breakwater, here, from Snow Marine Co., Rockland. $2.15 per ton. Noted Oct. 2.

Pa., Pittston—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., constructing post office, here, from W. L. Morrison Constr. Co., Wash., D. C., $66,700.

Utah, Vernal—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., constructing post office, here, from A. M. Lundberg, Times Bldg., St. Louis, Mo., $39,048. Noted Oct. 9.

CONTRACTS AWARDED

Mass., Hingham—Roof—Spec. 5023—Bureau Yards & Docks, Navy Dept., Wash., D. C., reroofing building, here, to B. H. Ennis, Jr., 1933 East 31st St., Baltimore, Md., $16,975 (60 days). Noted Oct. 30.

Mass., Rutland — Hospital Buildings — U. S. Veterans Hospital Bureau, Room 791 Arlington Bldg., Wash., D. C., additions to buildings general contract, to Murch Bros. Constr. Co., 611 Olive St., St. Louis, Mo., $412,750, mechanical equipment, etc.

Federal Government Work (Continued)

to Virginia Eng. Co., 322 28th St., Newport News, Va., $157,649. Noted Oct. 30.

Pa., Phila.—Dredging—U. S. Engineer Office, War Dept., dredging in Delaware River, Lower Harbor, and in Phila. Harbor, to Amer. Dredging Co., Mariner & Merchants Bldg., Phila., $200,940 and $215,516 respectively. Noted Oct. 9.

Pa., Pittsburgh—Lock Gates—U. S. Engineer Office, steel lock gates for Locks 7 and 8, Monongahela River, to Dravo Contg. Co., Diamond Bldg., $29,225. Noted Oct. 2.

Del., Wilmington—Barges—U. S. Engineer Office, War Dept., Wash., D. C., 2 steel barges, here, to Newport News Building & Dry Dock Co., Newport News, Va., $12,500. Noted Oct. 16.

Ala., Florence—Steel—P. T. Samuels, ch. supply division, 300,000 lb. reinforced steel, to Knoxville Iron Co., Lonsdale St., Knoxville, Tenn., $10,800; 200,000 lb. to Kalman Steel Co., Atlanta, Ga., $5,400.

Ala., Montgomery — Snag Boat — U. S. Engineer Office, one 156 ft. steel snagboat, to Charleston Dry Dock & Mchy. Co., Charleston, S. C., $189,900. Noted Sept. 4.

Tenn., Memphis — Barges — Mississippi River Comn., 2nd Dist., 1006 McCall Bldg., 19 steel barges, to Dravo Contg. Co., Diamond Bldg., Pittsburgh, Pa., $217,850.

Ind., Terre Haute — Extension, etc. — Treas. Dept. at office Supervising Architect, Wash., D. C., extension and improvements to Post Office, here, to W. L. Morrison Constr. Co., Wash., D. C., $18,170. Noted Oct. 23.

Unclassified

PROPOSED WORK

Playground—Dorchester (Boston P. O.) **Mass.**—City of Boston plans schoolhouse playground, Armadine St., here. $25,000. J. F. Sullivan, secy. Street Laying Out Dept., engr.

Undergrade Crossing — Crafton, Pa. — Voted $125,000 bonds undergrade crossing at Emily St. under Pennsylvania R.R. tracks.

Beach Work—Harrisburg, Pa.—Voted $50,000 bonds beach work. Noted Oct. 30.

Conduit System—Baltimore, Md.—Voted $1,500,000 bonds for extending conduit system for electric wires. Noted Sept. 25.

Pier, etc.—St. Petersburg, Fla.—Making plans 1,800 ft. rein.-con. and steel pier, 100 ft., jutting into Tampa Bay, $1,000,000; also commercial harbor development, $500,000. Parsons, Klapp, Brinckerhoff & Douglas, 84 Pine St., New York City, engrs.

Sea Wall—Gulfport, Miss.—Harrison Co. voted $2,000,000 bonds for rein.-con. sea wall along 14.125 mi. embankment on Mississippi Sound, Gulf of Mexico, and filling behind sea wall. H. D. Shaw, City Hall, engr. Permanent engineer not selected.

Docks and Wharves—Baton Rouge, La. —Plans to expend $350,000 on docks and wharves. J. W. Billingsley, P. O. Box 703, consult. engr.

Park—Ashtabula, O.—Ashtabula Amusement Park Co., c/o McGarry & McGarry, archts., 4614 Prospect Ave., having preliminary plans prepared 1 and 2 story, timber amusement park. $300,000.

Storage Tanks—Big Lake, Tex.—Marland Oil Co., Ponca City, Okla., plans ten 80,000 gal. steel oil storage tanks, here. Plans later pipe line outlet. Private plans.

Housing Development—Dallas, Tex.—Dallas Development Co., Western Indemnity Bldg., soon takes bids developing 133 acres for residence purposes. $200,000. Myers & Noyes, Mercantile Bank Bldg., engrs.

Transmission Line—Oklahoma—City of Dustin made preliminary plans transmission line to connect lines of Oklahoma Power Co. at either Henryetta or Weleetka, also step down transformer station and distribution system at Dustin. $30,000. Engineer not selected.

Turbo Generator, etc.—Lawton, Okla.—Southwestern Light & Power Co., Braniff Bldg., Oklahoma City, make preliminary plans increasing capacity of plant by adding new turbo generator and battery of boilers, here. $200,000. E. R. Ernsberger, Continental Bldg., Oklahoma City, engr.

White Way and Transmission Line — Wetumka, Oklahoma—See "Buildings—Industrial."

Pier Extension — Huntington Beach, Calif.—Defeated $100,000 bonds concrete pier extension. Noted Oct. 30.

Street Lighting System — Los Angeles, Calif.—Made plans 21 pressed steel standards on Bway. between Colorado Blvd. and Eagle Dale Ave.; 14 concrete standards on Alton Pl. between Gower and Vina Sts., 52 concrete standards on 16th St. between Hoover and Berende Sts.; 197 pressed steel standards on 8th St. between Figueroa and Vermont Aves.; 46 pressed steel standards on El Central Ave. between Hollywood and Santa Monica Blvds.; 120 pressed steel standards on Figueroa Ave. between 11th and West Adams Sts. To exceed $75,000.

Wharf—Oakland, Calif.—W. Smith Lumber Co., 3rd and Channel Sts., San Francisco, made plans 500 ft. creosoted pile wharf, Oakland waterfront, here. W. N. Ball, 2910 Telegraph Ave., engr.

Substation—Red Bluff, Calif.—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, preparing preliminary plans outdoor sub-station, here. $50,000. Private plans.

Street Lighting System—Whittier, Calif. —Made plans 70 pressed steel standards on Greenleaf Ave. between Hadley St. and city limits. $25,000 or more. P. Gilmore, city clk.

Arena—Hamilton, Ont.—Abso Pure Ice Co. plans arena. $90,000.

Subway — Windsor, Ont. — Election in January, $400,000 bonds for subway on Ellis Ave. A. Mitchell, mayor.

Power Development—Petersburg, Alaska —Crystal Lake Power Co., obtained 50 year license for power project at Crystal Lake, to raise lake level 6 ft., and create 200 acre reservoir, etc.

BIDS DESIRED

Grain Elevator—Houston, Tex.—Dec. 4, by Harris Co. Houston Ship Channel Navigation Dist., concrete grain elevator on north side of Turning Basin. B. C. Allin, dir. of port; adv. E. N.-R. Nov. 13.

BIDS RECEIVED

Heating — Phila., Pa. — See "Buildings-Commercial."

Retaining Wall—San Antonio, Tex.—I. Ewig, city engr., Oct. 27, rein.-con. retaining wall 5 blocks long, part flood prevention project, from A. E. Rheiner & Co., San Antonio, low bidders of 3 or more blocks of work $16.37 per cu.yd.; from Pryor & Jeffrey, 206 Bedell Bldg., low bidders on job in single units $16.53. Engrs. est. $60,000.

Street Lighting System — Los Angeles, Calif.—Street lighting system on Sunset Blvd., from J. C. Rendler, Inc., 625 South Main St., $156,777. Noted July 31.

CONTRACTS AWARDED

Playground—Neponset, Mass.—Grading, etc., in W. H. Garvey Playground, to M. McGinnis & Co., 68 Rossmore Rd., Jamaica Plain, Mass., $23,301. Engrs. est. $25,000. Noted Nov. 6.

Foundation—Oxford, Mass.—St. Marys Parish, foundation for church, to W. Young, 122 Union St., New Bedford.

Subway—Brooklyn, N. Y.—Transportation Bd., 49 Lafayette St., New York, constructing part of 14th St. eastern Rapid Transit R.R., Sect. 6C, Route 8, under Harrison Ave., here, to Oakdale Constr. Co., 93 Amity St., Flushing, $3,595,000. Noted Oct. 23.

Bulkhead—Tampa, Fla.—D. P. Davis Properties, Inc., Franklin and Madison Sts., 2,200 lin.ft. timber bulkhead on Davis Island for sea wall, to A. M. Crain Co., 53 West Jackson Blvd., Chicago, Ill. $40,000.

Gravel Plant—Logtown, Miss.—Weston Sand & Gravel Co., will install link belt screening plant with 3 sizes of screen and sand separator, hydraulic dredging system with 150 hp. Fairbanks-Morse crude oil engine, and driving 8 in. American Manganese Steel Co., pump, lift about 50 ft. to top of screen, in gravel plant, by day labor. Private plans.

Foundation — Cicero, Ill. — Cicero High School Bd., foundation for 3 story, 216 x 256 ft., rein.-con., brick and stone high school, to Chicago Foundation Co., 76 West Monroe St., Chicago.

Storage Tanks—Kansas City, Mo.—See "Buildings—Industrial."

Heating and Ventilating System — St. Louis, Mo.—Bd. Pub. Serv., 208 City Hall, heating and ventilating system for new Union Market, Bway., Lucas Ave., 6th and Morgan Sts., to F. E. Newberry, Century Bldg., $36,666. Noted Nov. 6.

Masonry Wall — Austin, Tex. — See "Streets and Roads."

Retaining Wall—San Antonio, Tex.—Will build rein.-con. retaining wall along 5 blocks streets on San Pedro River, by day labor. $60,000. I. Ewig, city engr. Former bids rejected. Noted Nov. 13.

Underpass — Waco, Tex. — See "Streets and Roads."

Culverts—Oklahoma—State Hy. Dept., Oklahoma City, rein.-con. culverts on State Aid Project 34, Garfield Co., to Green Beekman Constr. Co., 516½ West Main St., Oklahoma City, $64,808.

Tanks—Miami, Ariz.—Inspiration Copper Co. will construct 25,000 cu.yd. rein.-con. in leaching tanks by force account. G. R. Booth, Miami, engr. Noted Oct. 2.

Street Lighting System—Los Angeles, Calif.—Street lighting systems on 7th St. between Hoover and Vermont Sts., to J. C. Perry, Detwiler Bldg., $16,830; Flower St. between 3rd and Washington Sts., to C. W. Sparks, Henne Bldg., $102,188. Noted Oct. 16.

Grain Conveyor Galleries—St. John, N. B. —S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., 2 grain conveyor galleries, etc., at Berth 16, to Boone & McDonald, 49 Canterbury St., $127,634. Engrs. est. $140,000. Noted Oct. 23.

Dock, etc. — Vancouver, B. C. — Robin Hood Mills Ltd., 898 Beatty St., 120 x 900 ft. dock, and 84 x 304 ft. warehouse, to Ryan Contg. Co. Ltd., 443 Granville St., $150,000.

Material and Equipment

PROPOSED WORK

Truck—Carrick, Pa.—See "Streets and Roads."

Street Sweeper—Anaheim, Calif.—Plans to purchase automatic street sweeper and 2,500 bbls. road oil. J. F. Price, city engr.

Tractor—Orange, Calif.—Plans to purchase track-laying tractor equipped with plates for boulevard work. C. D. Lester, city clk.

Signs—Pomona, Calif.—Plans to purchase 1,860 enameled iron street signs. T. R. Trotter, city clk.

Cement—Tracy, Calif.—Banta—Carbona Irrigation Dist. soon takes bids 5,000 bbls. Portland cement. W. D. Harrington, dist. engr.

BIDS DESIRED

Oil Burning Equipment—Fulton, N. Y.—Dec. 3, by Bd. Educ., oil burning equipment for heating 2 boilers in high school. G. A. Bodley, clk.; adv. E. N.-R. Nov. 13.

Steam Shovel — Monroe, La. — Monroe Sand & Gravel Co., in market for steam shovel 2½ yd. dipper on crawler trucks suitable for heavy work.

Crushed Stone — Dallas, Tex. — M. G. James, city secy. taking bids 1,800 (more or less) tons crushed stone, f.o.b. Dallas. $5,000.

Snow Plows—Montreal, Que.—L. O. Pion, purch. agt., in market for 2 tractor snow plows.

BIDS RECEIVED

Asphalt Sand—New York, N. Y.—J. Miller, pres. Manhattan Boro., Municipal Bldg., 3,000 cu.yd. asphalt sand, to Z. Mahoney, 537 46th St., Brooklyn, $3,360. Noted Oct. 30.

Cement—New York, N. Y.—J. Miller, pres. Manhattan Boro., Municipal Bldg., Nov. 6, 5,000 bags portland cement, from J. A. McCarthy, 551 Exterior St., $3,400; 800 tons inorganic dust, from New York Trap Rock Co., 101 Park Ave., $5,440. Noted Oct. 30.

Sand Grit, etc. — New York, N. Y. — H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., 2,000 cu.yd. sand grits and 3,000 cu.yd. ashes from Ames Building Material Co., 3437 Kingsbridge Rd., $3,750 and $4,200 respectively; 2,000 bags portland cement, from C. J. Mallett, Inc., 2554 St. Raymond Ave., $1,360; 25,000 gal. tar, from Barrett Co., 17 Battery Pl., $3,750; 600 cu.yd. paving sand, from J. W. Farrell, 6 Church St., $1,044; and 25 tons paving sand, from F. J. Lewis Mfg. Co., Eastern Blvd. and 177th St., $619. Noted Oct. 30.

CONTRACTS AWARDED

Shell or Rock Asphalt—Charleston, S. C. —Cooper River Ferry Comn. sheet or rock asphalt for new trestle and improved causeway connecting Sullivans Island and Mount Pleasant at Cove Inlet, to Raymond Concrete Pile Co., 140 Cedar St., New York, $180,000.

Gravel and Sand—Minneapolis, Minn.—F. S. Gram, city purch. agt., to J. Wunder Co., Bway. and K Sts. N. E., 3,000 cu.yd. gravel at $1.35 ton f.o.b. cars its plant or (b) $2.55 cu.yd. f.o.b. truck at city's new filter plant; 1,500 cu.yd. sand, $0.35 ton f.o.b. cars its plant or $1.40 cu.yd. f.o.b. truck at city's plant. Noted Oct. 23.

Electrical Equipment—Merced, Calif.—Merced Irrigation Dist., to General Electric Co., Rialto Bldg., San Francisco, switch board at $11,000, transformers $71,045, oil circuit breakers $24,395, storage battery and generator $2,646.

Turbines—Merced, Calif.—Merced Irrigation Dist., 2 variable head turbines, to Pelton Water Wheel Co., 2915 19th St., San Francisco, $114,000; also generators, to Westinghouse Electric & Mfg. Co., 1st Natl. Bank Bldg., San Francisco, $163,874. Noted Oct. 2.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

(RE-ADVERTISEMENT)

Bids: Nov. 28.

Sewage Treatment Works

Trenton, N. J.

Sealed proposals for constructing and erecting a sewage treatment works, including the installation of pumps, motors, generators, outfall line, water and other miscellaneous piping, heavy concrete construction, levee protection, stone-filled crib, wiring, landscape treatment and kindred items will be received by the Board of Commissioners of the City of Trenton in the Commission Chamber, at the Municipal Building, Trenton, N. J., at 2 o'clock p.m., eastern standard time, on Friday, November 28, 1924, and will be there and then publicly opened and read immediately thereafter.

A fuller description of the work to be done and other requirements, provisions and details are given in the form of contract and the specifications, copies of which may be examined at the office of the Engineers, 150 Nassau Street, New York City, or at the office of Mr. A. C. Gregory, Engineer of Sewers, Municipal Building, Trenton, N. J.

No proposal will be received unless accompanied by a certified check for $25,000, twenty-five thousand dollars, payable to the order of the City Comptroller, City of Trenton, N. J., and drawn upon national or state banks or trust companies satisfactory to the city. Such checks must not be enclosed in the envelope containing the proposal.

No proposal will be considered unless the consent to become surety for the faithful performance of the contract, in the full amount of the contract, in case same is awarded to the bidder, is duly executed by a bonding or surety company authorized to do business under the laws of the State of New Jersey.

Specifications and proposal blanks and form of contract and bond may be secured for five dollars ($5.00) per set, and plans may be purchased for twenty-five dollars per set at either the office of the Engineer of Sewers or the Consulting Engineers. Money paid for forms will be refunded only to bidders for the entire work who comply with all the stipulated requirements of the instructions.

The Commissioners, on behalf of the city, reserve the right to select the bid or proposal, the acceptance of which will, in its judgment, best secure the efficient performance of the work, or to reject any or all bids.

GEORGE A. JOHNSON,
GEORGE L. WATSON,
Associated Consulting Engineers,
150 Nassau St., New York City.
LEON D. HIRSCH,
City Clerk.

Dated October 13, 1924.

Bids: Dec. 3.

Masonry Aqueduct

Providence, R. I.

Sealed proposals for the construction of about one mile of 7½-foot circular reinforced concrete aqueduct and appurtenances to the east of the Scituate Tunnel, about 6 miles southwest from Providence City Hall, will be received at the office of the Water Supply Board, City Hall, Providence, R. I., until 2:30 p.m. on Wednesday, December 3, at which time and place they will be publicly opened and read.

Some of the principal estimated quantities are: Excavation, 38,000 cu.yds.; Refill and Embankment, 46,000 cu.yds.; Concrete, 8,500 cu.yds.; Reinforcing steel, 650,000 lbs.; Knox type wire fencing, with concrete posts, 36,000 linear feet.

Plans for the proposed work may be seen and information obtained at the office of the Chief Engineer, 661 Westminster Street, Providence. Pamphlets containing information for bidders, forms of proposal, contract and bond, specifications and plans are expected to be available about November 20 and may thereafter be obtained from the Secretary of the Board, City Hall, or from the Chief Engineer.

City of Providence, Water Supply Board.
B. THOMAS POTTER,
Chairman.

FRANK E. WINSOR,
Chief Engineer.
SAMUEL N. GRAMMONT,
Secretary.

OFFICIAL PROPOSALS

Bids: Dec. 1.

Highway Work

ROUTE 4, SECTION 20

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Department of New Jersey for the following:

For the construction of Route No. 4, Section No. 20-A, P. R.R. Grade Crossing Elimination, Borough of Manasquan, Monmouth County. Estimated 47,000 cu.yd. of Borrow; 4,170 sq.yd. of Gravel Surface.

Bids will be received at the office of the State Highway Commission, 9th floor Broad Street Bank Building, Trenton, New Jersey, on Monday, December 1st, 1924, at twelve o'clock noon, standard time, and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) upon application to the State Highway Department, 9th floor, Broad Street Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated in the specifications and must be enclosed in sealed special addressed envelopes bearing the name and address of bidder and name and number of the bridge on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Secretary.

Bids: Dec. 15.

Toll Bridges

Baton Rouge, La.

The Louisiana Highway Commission by and under authority of Act No. 141 of the Regular Session of the Legislature of Louisiana, for the year 1924, will receive and entertain bids and proposals up to twelve o'clock noon, Monday, December 15, 1924, at its office fourth floor of the Reymond Building, Baton Rouge, Louisiana, for the construction, maintenance, operation and ownership of toll bridges and the approaches and protection work thereto over and across the Atchafalaya River at or near Melville, Louisiana, and over and across the Atchafalaya River at or near Simsport, Louisiana; said bridges to be constructed, maintained, owned, controlled and operated in accordance with said Act No. 141, entitled:

AN ACT

"To provide for the letting of contracts for the construction, ownership and operation of bridges, viaducts, fills or trestle structures, etc., by the Louisiana Highway Commission to persons, firms, corporations, or association of persons organized and existing for the purpose of such construction, ownership and operation, and relative to contracts to be let to such persons, firms, corporations, or associations of persons by said Commission for such construction, ownership and operation, directing and empowering said Commission to let such contracts for construction, ownership and operation, and to pass on the toll to be charged, and incorporate the same into the several respective contracts between said Commission and such contracting parties; providing for approval by said Commission of the plans and specfiications of all such bridges, viaducts, fills or trestle

OFFICIAL PROPOSALS

structures, as to the public safety; to prohibit the construction and operation of any bridge, viaduct, fill or trestle structure and approaches thereto, etc., conflicting in any way with any contract between said Commission and any such contracting parties; to prohibit interference with such contracting parties in the management and operation of such bridges, viaduct, etc., except for public safety or compelling compliance with its contract providing for the purchase and acquisition by the State after twenty years, of any such bridge, viaduct, fill or trestle structure, under the terms of the contract made by said Commission regarding same."

The Commission reserves the right to reject any and all bids and proposals.

Louisiana Highway Commission.
W. E. AIKINSON,
Chairman.
W. B. ROBERT,
State Highway Engineer.

Bids: Jan. 15.

State Electricity Commission of Victoria

Melbourne, Victoria, Australia.

Tenders are hereby invited for the supply, delivery, etc., of the following for the Yallourn Power Scheme.

Copies of Tender Form and Specification will be available upon application to: Office of the Bureau of Foreign & Domestic Commerce, United States Department of Commerce, First National Bank Building, CHICAGO, and Office of the Bureau of Foreign & Domestic Commerce, United States Department of Commerce, 734 Customs House, NEW YORK CITY.

SPECIFICATION NO. 25/2—VOLTAGE REGULATING APPARATUS

CHARGE: 10/— for the first two copies of Tender Form, Conditions of Contract and Specification complete. This charge will be returned on receipt of a bona fide tender. A third copy and any further copies will be supplied for the sum of 5/— each. This charge is not returnable.

PRELIMINARY DEPOSIT: A Preliminary Deposit of £5:0:0 is to be lodged with Tender.

The Specification may be inspected at the abovementioned offices.

The Commission does not bind itself to accept the lowest or any tender.

Tenders on prescribed form, properly endorsed and addressed, must be delivered to the undersigned in Melbourne not later than 5 p.m., on 19th January, 1925.

R. LIDDELOW,
Secretary.

Bids: Dec. 20.

State Electricity Commission of Victoria

Melbourne, Victoria, Australia.

Tenders are hereby invited for the supply, delivery, etc., of the following for the Yallourn Power Scheme.

Copies of Tender Form and Specification will be available upon application to: Office of the Bureau of Foreign & Domestic Commerce, United States Department of Commerce, First National Bank Building, CHICAGO, and Office of the Bureau of Foreign & Domestic Commerce, United States Department of Commerce, 734 Customs House, NEW YORK CITY.

SPECIFICATION NO. 24/114—SWITCHGEAR & ACCESSORIES

CHARGE: £2:2:0 for the first three copies of Tender Form, Conditions of Contract, Specification and Drawings complete. This charge will be returned on receipt of a bona fide tender. A fourth copy and any further copies will be supplied for the sum of 10/6d each. This charge is not returnable.

PRELIMINARY DEPOSIT: A Preliminary Deposit of £100:0:0 is to be lodged with Tender.

The Specification may be inspected at the abovementioned offices.

The Commission does not bind itself to accept the lowest or any tender.

Tenders on prescribed form, properly endorsed and addressed, must be delivered to the undersigned in Melbourne not later than noon on 20th December, 1924.

R. LIDDELOW,
Secretary.